

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102319\
 Data File : VV013292.D
 Acq On : 23 Oct 2019 09:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 24 01:11:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 17 14:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1119856	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1066156	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	574020	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	439785	62.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	124.26%
7) Chloroethane-d5	1.58	69	344009	59.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.58%
11) 1,1-Dichloroethene-d2	2.12	63	616022	46.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.28%
21) 2-Butanone-d5	3.96	46	543426	102.10	ug/L	0.05
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.10%
24) Chloroform-d	4.39	84	955995	70.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	140.30%#
26) 1,2-Dichloroethane-d4	5.08	65	565432	67.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	134.62%#
32) Benzene-d6	5.09	84	1948701	68.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	137.02%#
36) 1,2-Dichloropropane-d6	6.11	67	588687	66.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	132.10%#
41) Toluene-d8	7.35	98	1792171	70.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	140.80%#
43) trans-1,3-Dichloropropene-	7.66	79	264844	65.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	131.20%#
47) 2-Hexanone-d5	8.13	63	335702	94.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.67%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	769422	66.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	133.80%#
64) 1,2-Dichlorobenzene-d4	11.67	152	729739	64.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	129.78%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	385427	44.370	ug/L 99
3) Chloromethane	1.25	50	305746	30.931	ug/L 99
5) Vinyl chloride	1.32	62	321883	33.896	ug/L 96
6) Bromomethane	1.53	94	155645	32.034	ug/L 99
8) Chloroethane	1.60	64	186371	32.996	ug/L 99
9) Trichlorofluoromethane	1.77	101	466364	38.274	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	268593	37.423	ug/L 89
12) 1,1-Dichloroethene	2.14	96	248315	35.755	ug/L 91
13) Acetone	2.23	43	97569	19.965	ug/L 96
14) Carbon disulfide	2.31	76	832707	41.344	ug/L 100
15) Methyl Acetate	2.47	43	303044	34.992	ug/L 95
16) Methylene chloride	2.53	84	376253	45.536	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	346192	45.949	ug/L 98
18) Methyl tert-butyl Ether	2.80	73	1006526	44.260	ug/L 98
19) 1,1-Dichloroethane	3.22	63	638351	44.917	ug/L 100
23) Bromochloromethane	4.29	128	209829	48.450	ug/L 94
25) Chloroform	4.42	83	660682	46.138	ug/L 100

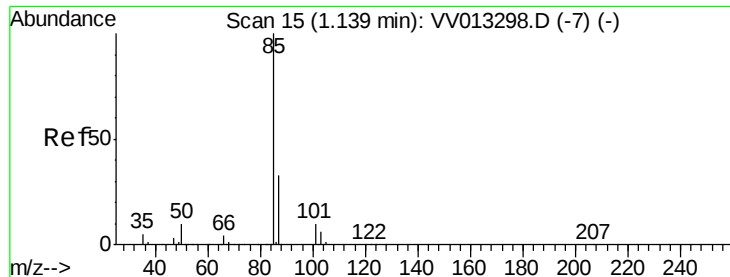
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102319\
 Data File : VV013292.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 17 14:55:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.17	62	481541	43.869	ug/L	99
29) Cyclohexane	4.72	56	541386	42.400	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	554301	46.855	ug/L	97
31) Carbon tetrachloride	4.87	117	494722	47.063	ug/L	99
33) Benzene	5.14	78	1476639	45.473	ug/L	100
34) Trichloroethene	5.96	95	374589	43.324	ug/L	96
35) Methylcyclohexane	6.17	83	579140	44.281	ug/L	99
37) 1,2-Dichloropropane	6.22	63	363866	43.273	ug/L	100
38) Bromodichloromethane	6.55	83	483521	45.192	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	558162	44.882	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	891866	81.024	ug/L	99
42) Toluene	7.43	91	1547920	46.303	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	470621	43.655	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	358389	44.892	ug/L	99
46) Tetrachloroethene	8.01	164	345590	50.487	ug/L	95
48) 2-Hexanone	8.18	43	717650	84.311	ug/L	97
49) Dibromochloromethane	8.29	129	418035	48.047	ug/L	100
50) 1,2-Dibromoethane	8.39	107	378722	45.389	ug/L	98
51) Chlorobenzene	8.92	112	1001621	45.689	ug/L	98
52) Ethylbenzene	9.05	91	1623015	45.452	ug/L	99
53) m,p-Xylene	9.18	106	645869	48.076	ug/L	100
54) o-xylene	9.58	106	622262	46.232	ug/L	97
55) Styrene	9.60	104	1101921	49.852	ug/L	99
56) Isopropylbenzene	9.97	105	1619924	46.872	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	545271	46.983	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	443793	43.353	ug/L	99
61) Bromoform	9.77	173	318192	44.051	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	818139	44.074	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	833132	44.694	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	829381	43.890	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	106072	38.593	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	586806	44.326	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	494656	43.564	ug/L	99
69) Naphthalene	13.55	128	1376758	44.012	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	556004	45.777	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 44.370 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

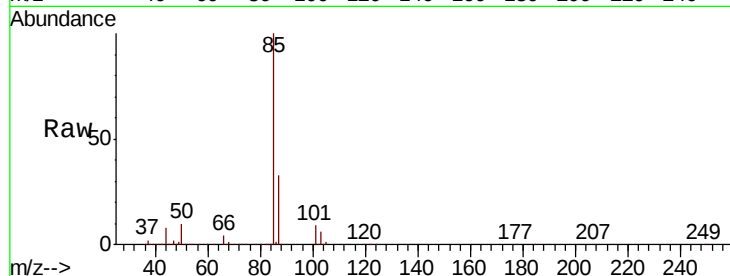
VSTDCCC050

Tot Ion: 85 Resp: 385427

Ion Ratio Lower Upper

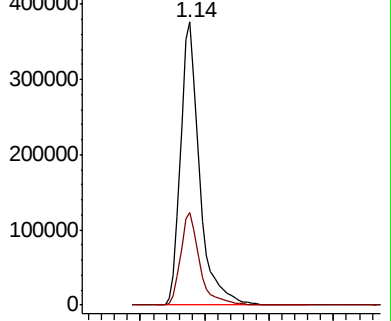
85 100

87 32.8 25.6 38.4

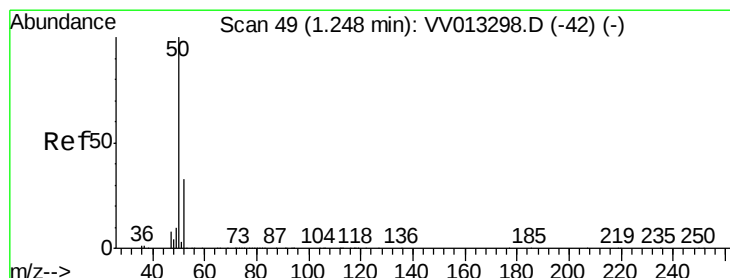
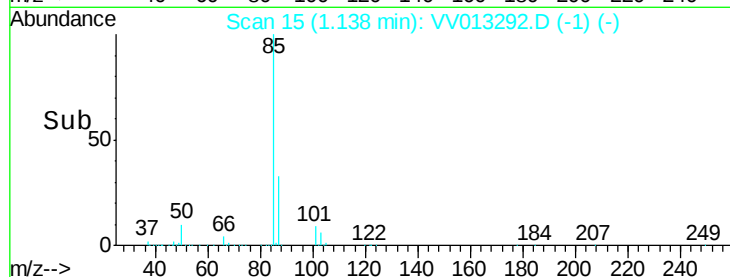


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 30.931 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV013292.D

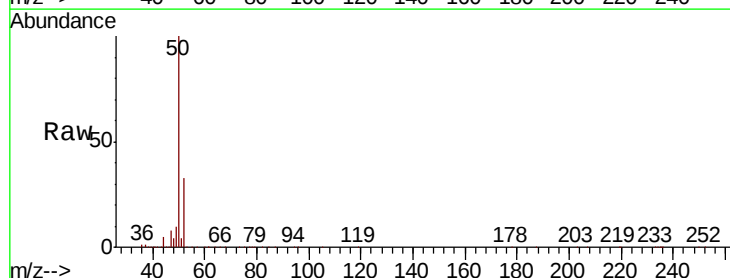
Acq: 23 Oct 2019 09:43

Tgt Ion: 50 Resp: 305746

Ion Ratio Lower Upper

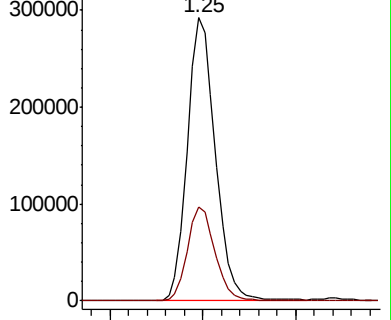
50 100

52 33.2 23.0 42.6

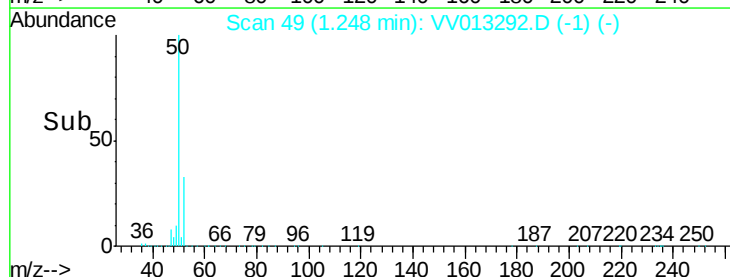


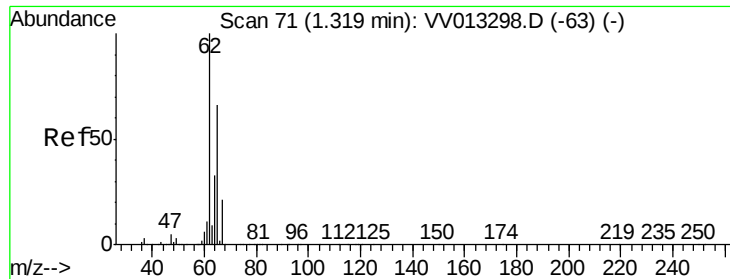
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time-->





#5

Vinyl chloride

Concen: 33.896 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.01 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

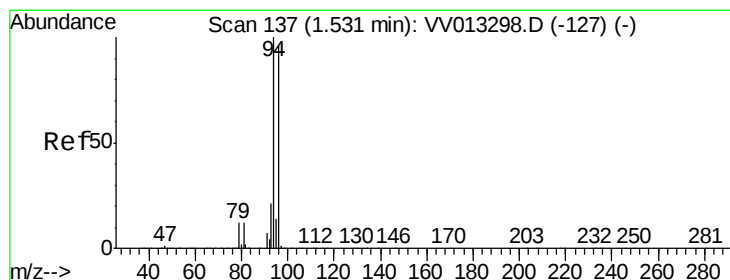
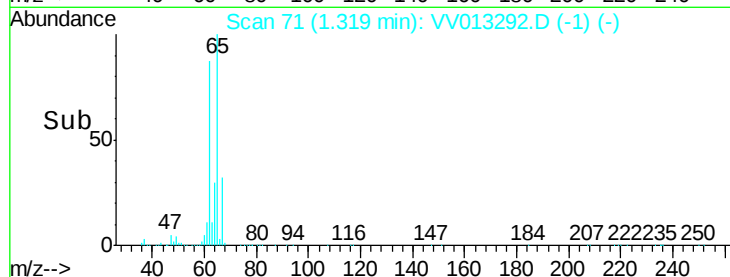
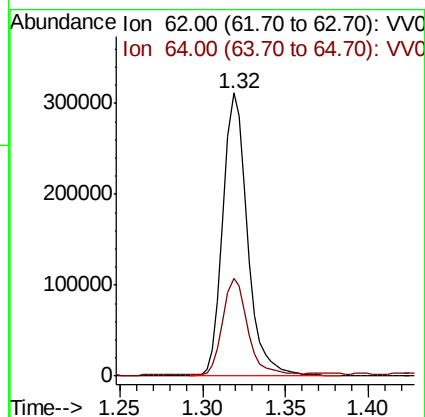
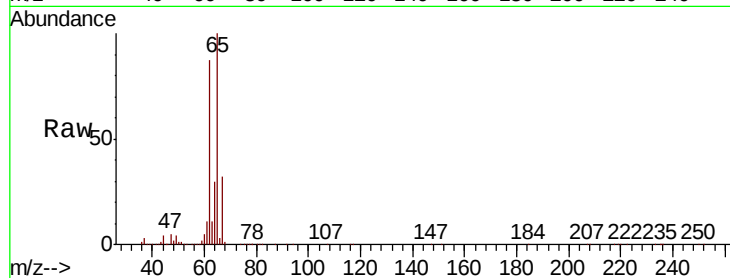
VSTDCCC050

Tot Ion: 62 Resp: 321883

Ion Ratio Lower Upper

62 100

64 34.7 22.9 42.5



#6

Bromomethane

Concen: 32.034 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013292.D

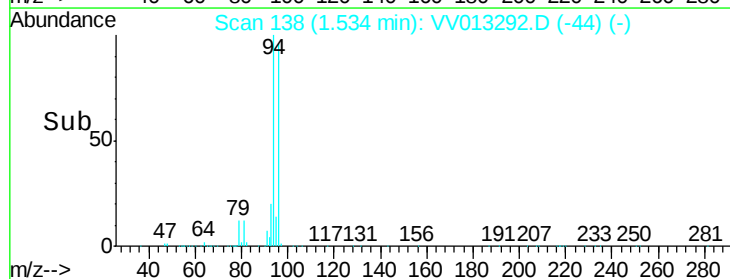
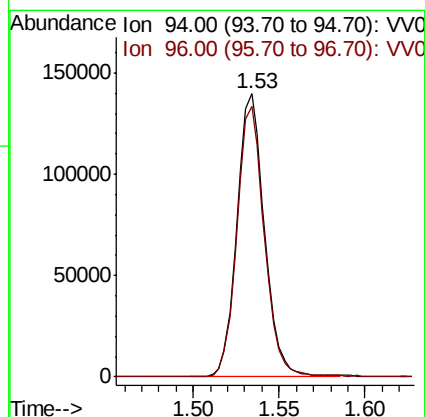
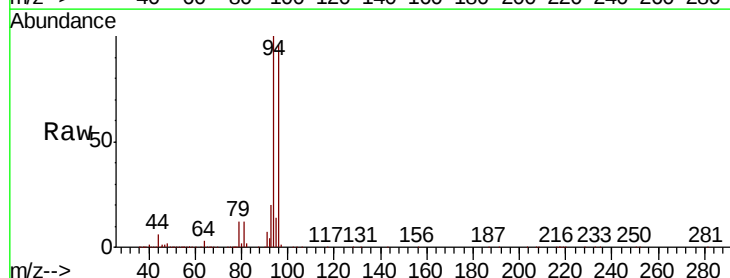
Acq: 23 Oct 2019 09:43

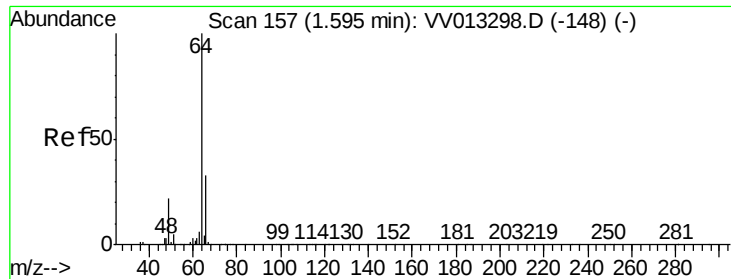
Tgt Ion: 94 Resp: 155645

Ion Ratio Lower Upper

94 100

96 95.8 68.0 126.2

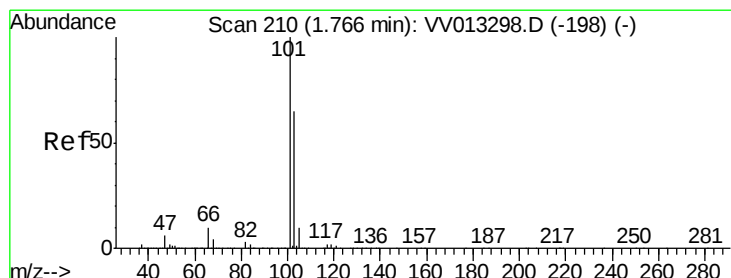
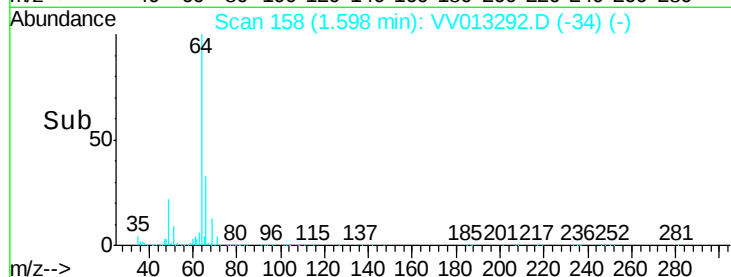
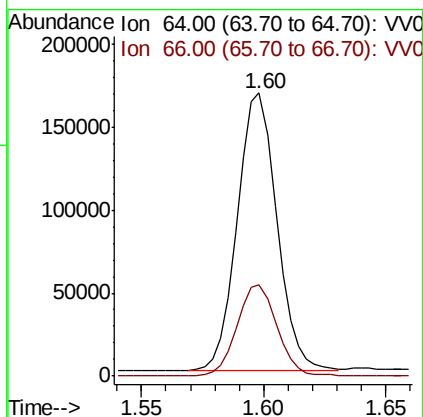
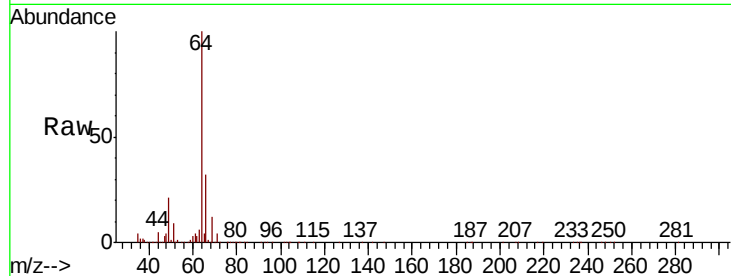




#8
Chloroethane
Concen: 32.996 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

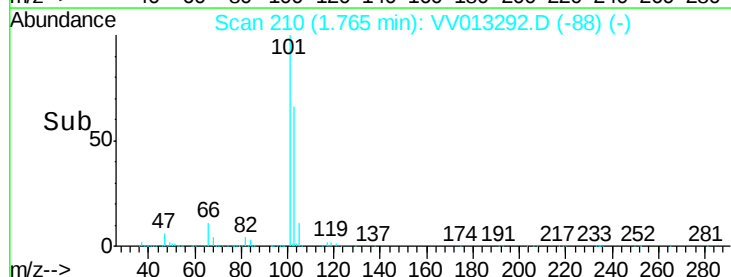
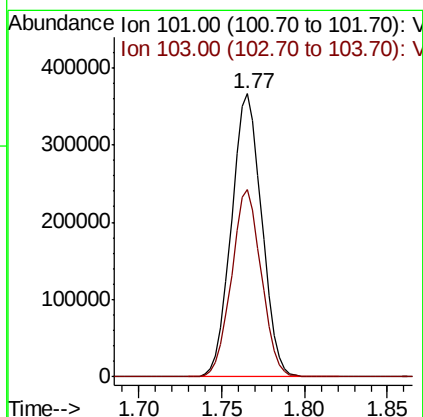
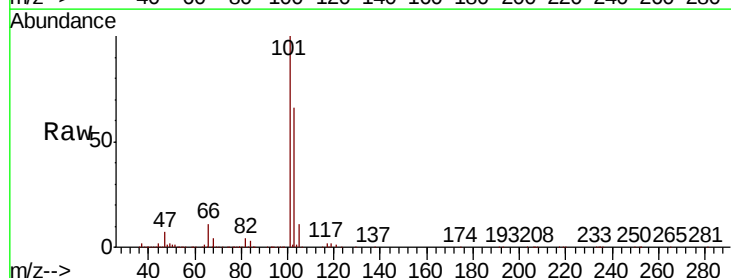
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

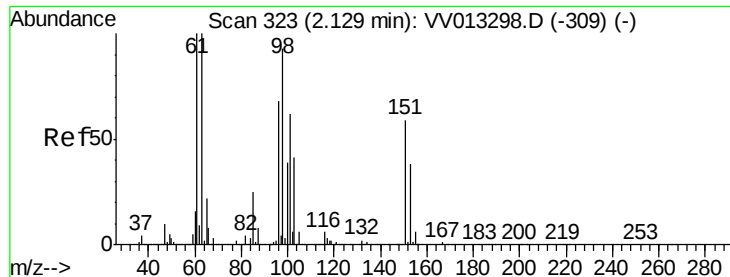
Tot Ion: 64 Resp: 186371
Ion Ratio Lower Upper
64 100
66 32.2 23.0 42.8



#9
Trichlorofluoromethane
Concen: 38.274 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.01 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Tgt Ion: 101 Resp: 466364
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 37.423 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

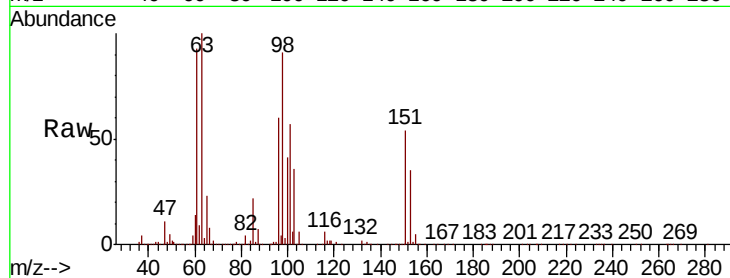
Tot Ion:101 Resp: 268593

Ion Ratio Lower Upper

101 100

85 38.7 32.9 49.3

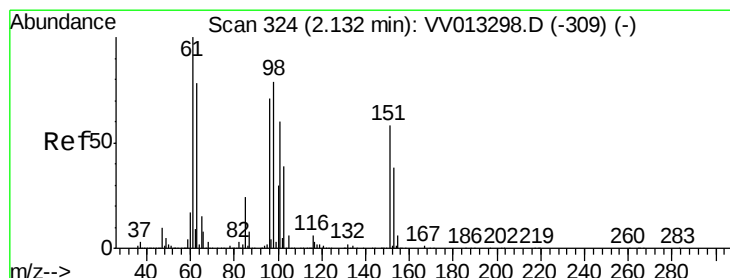
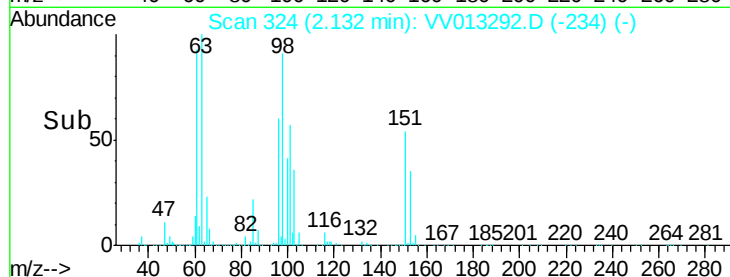
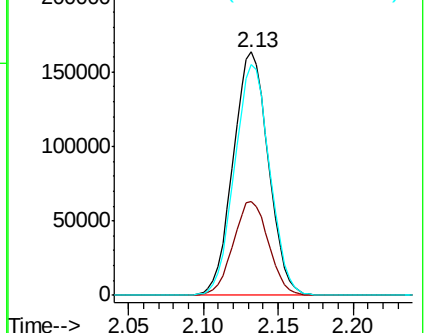
151 94.5 64.9 97.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 35.755 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

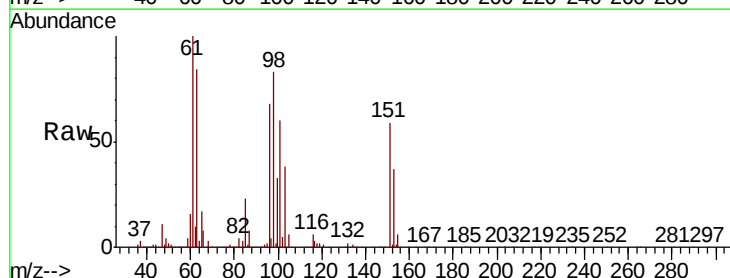
Tgt Ion: 96 Resp: 248315

Ion Ratio Lower Upper

96 100

61 146.3 115.7 214.9

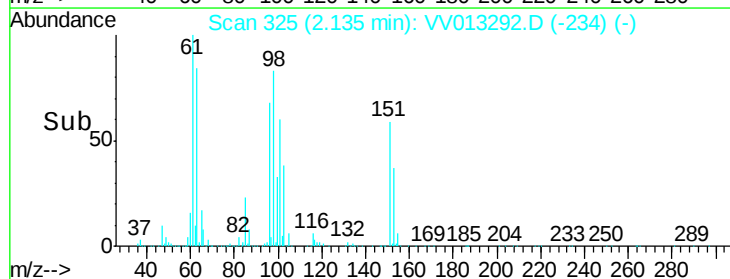
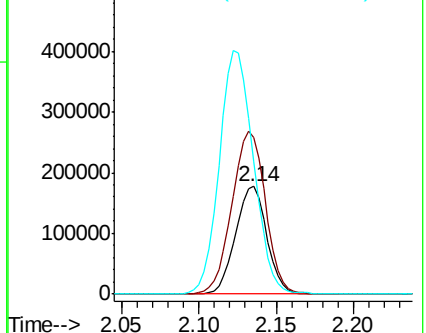
63 123.5 84.3 156.5

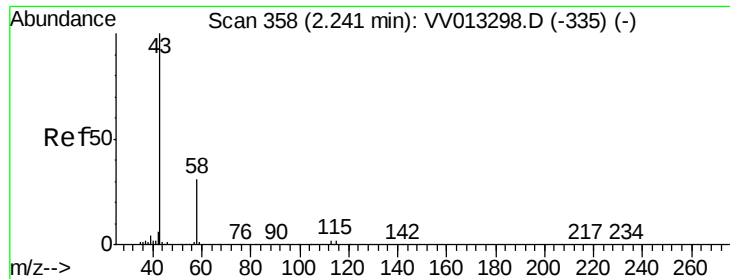


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 19.965 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.05 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

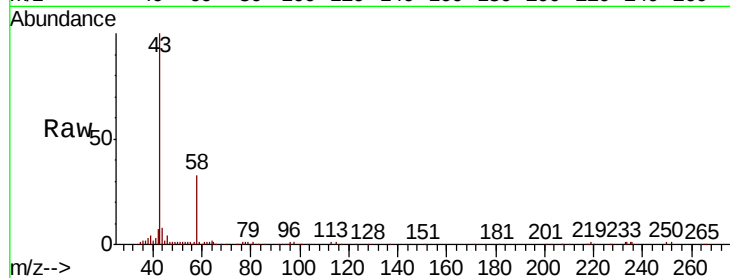
VSTDCCC050

Tot Ion: 43 Resp: 97569

Ion Ratio Lower Upper

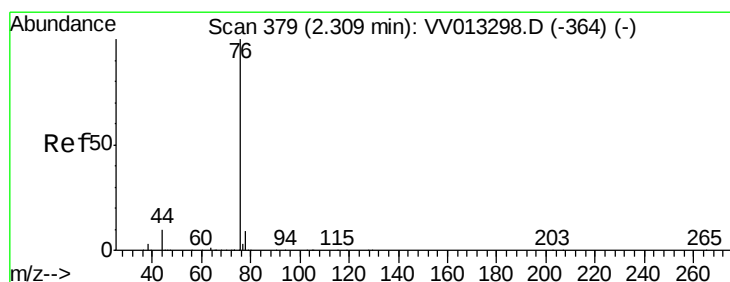
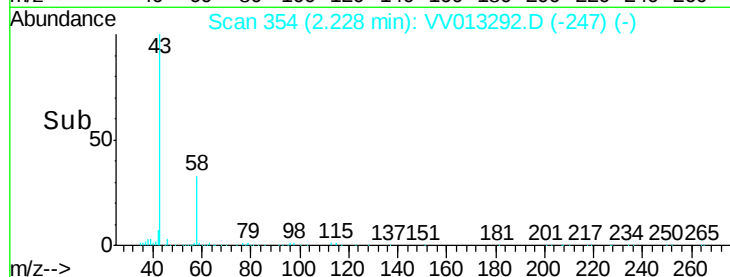
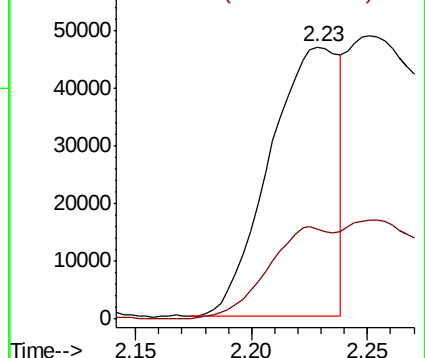
43 100

58 30.6 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 41.344 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV013292.D

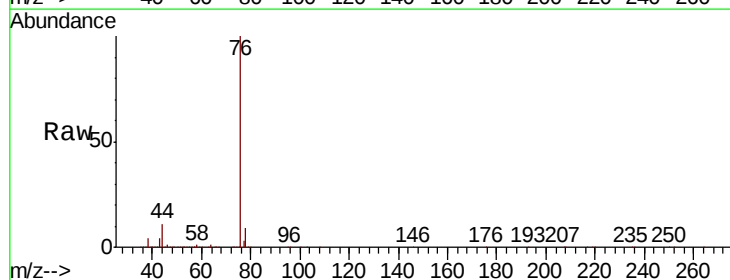
Acq: 23 Oct 2019 09:43

Tgt Ion: 76 Resp: 832707

Ion Ratio Lower Upper

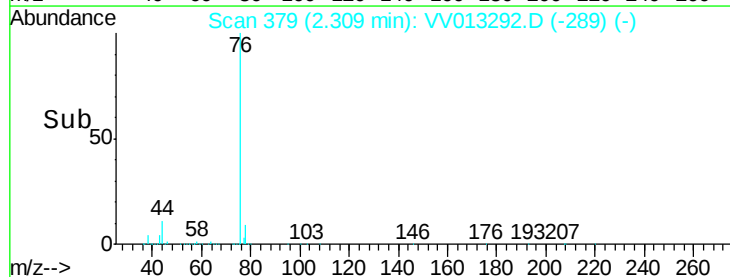
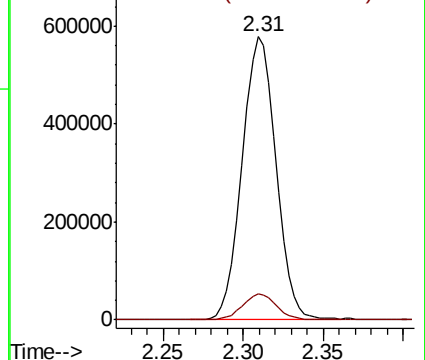
76 100

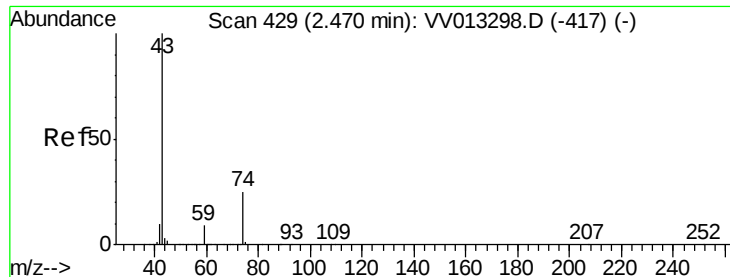
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

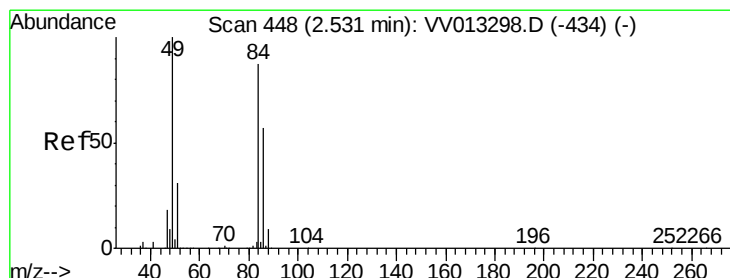
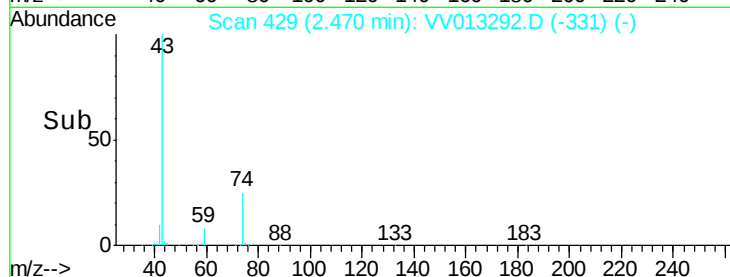
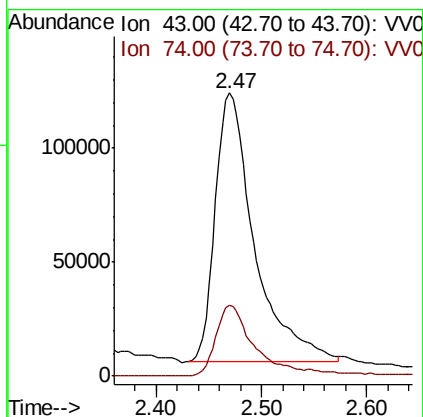
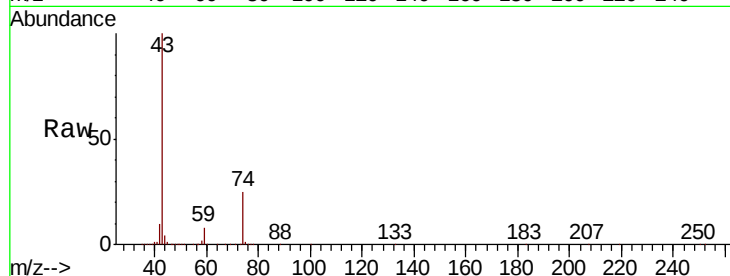




#15
Methvl Acetate
Concen: 34.992 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.02 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

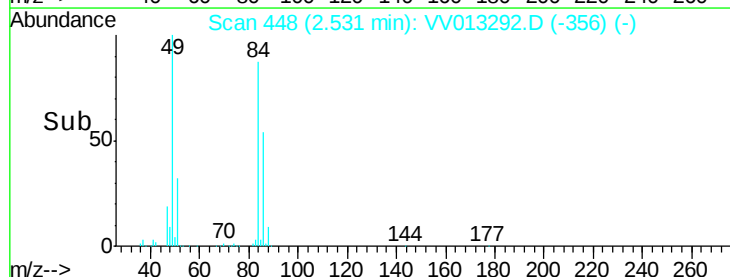
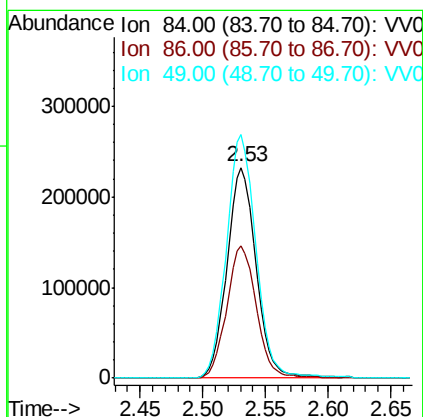
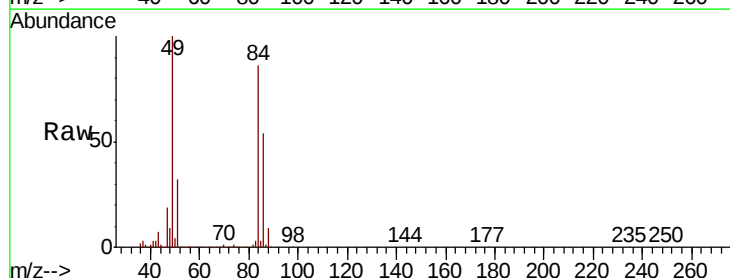
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

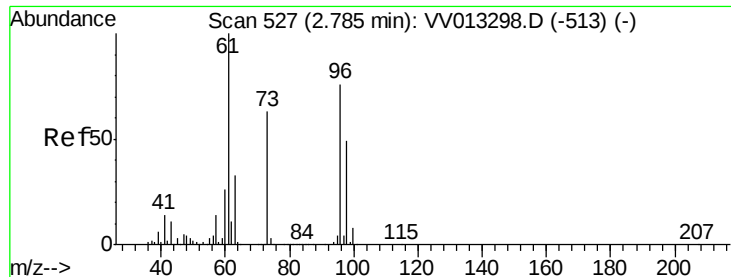
Tot Ion: 43 Resp: 303044
Ion Ratio Lower Upper
43 100
74 25.4 18.4 27.6



#16
Methylene chloride
Concen: 45.536 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Tgt Ion: 84 Resp: 376253
Ion Ratio Lower Upper
84 100
86 62.7 45.1 83.9
49 115.6 87.8 163.0





#17

trans-1,2-Dichloroethene

Concen: 45.949 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.01 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

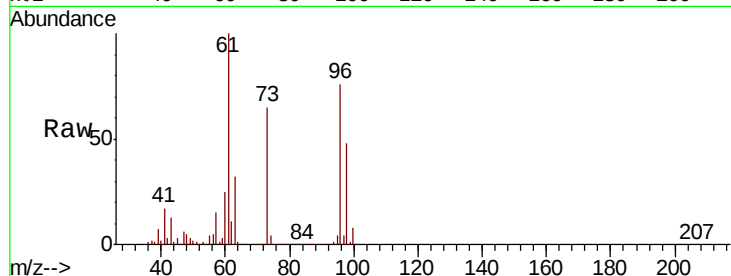
Tot Ion: 96 Resp: 346192

Ion Ratio Lower Upper

96 100

61 131.9 93.9 174.5

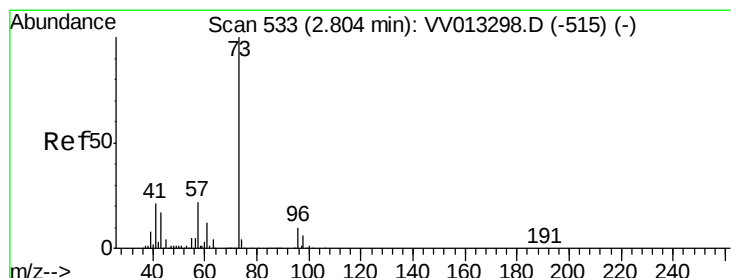
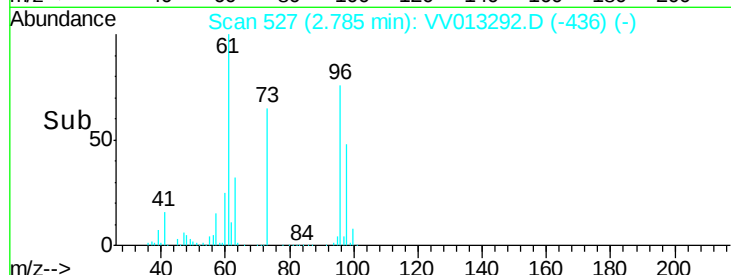
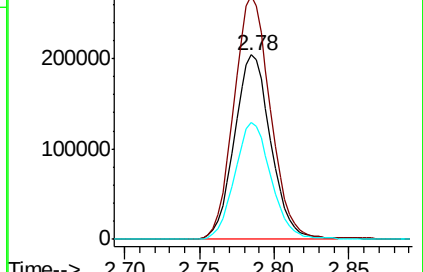
98 63.4 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VV013292.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV013292.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV013292.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 44.260 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

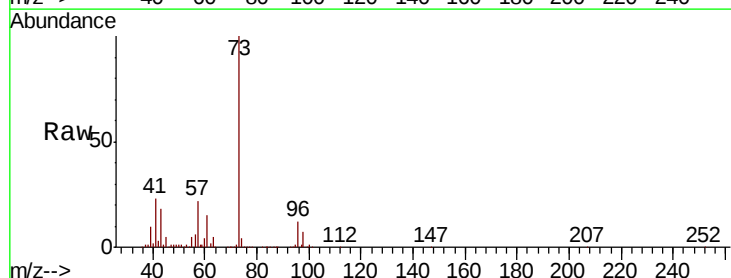
Tgt Ion: 73 Resp: 1006526

Ion Ratio Lower Upper

73 100

43 17.3 15.0 22.6

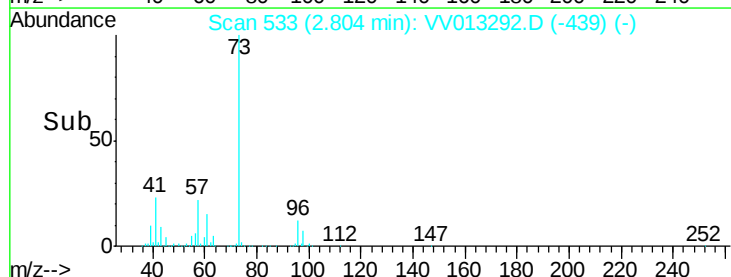
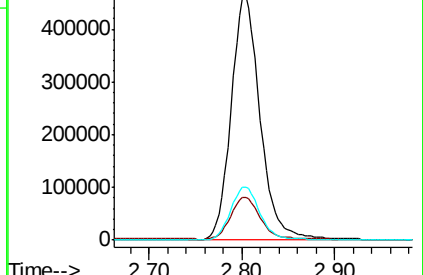
57 22.3 18.2 27.2

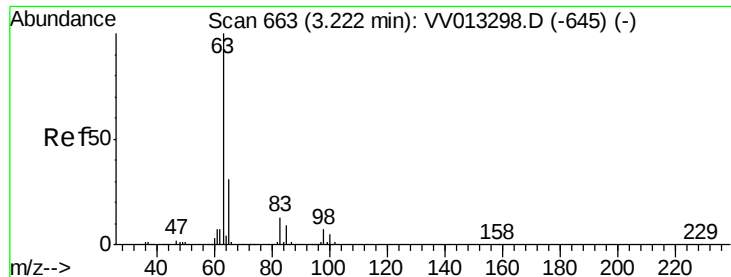


Abundance Ion 73.00 (72.70 to 73.70): VV013292.D (-439) (-)

Ion 43.00 (42.70 to 43.70): VV013292.D (-439) (-)

Ion 57.00 (56.70 to 57.70): VV013292.D (-439) (-)

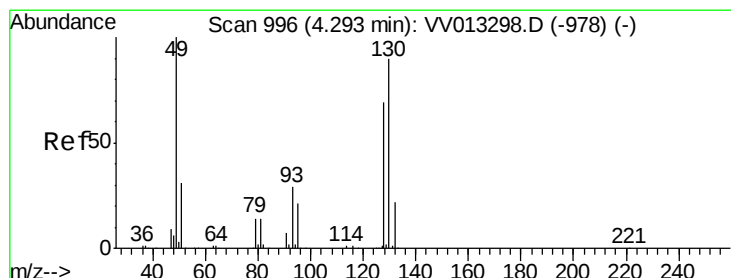
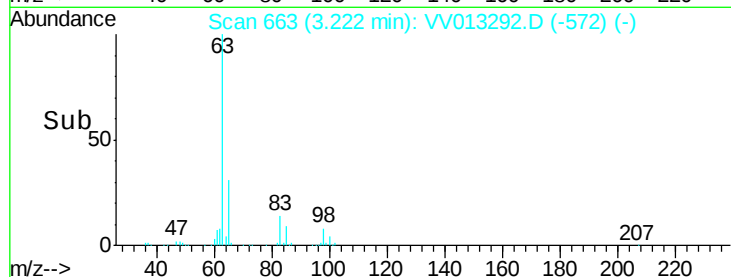
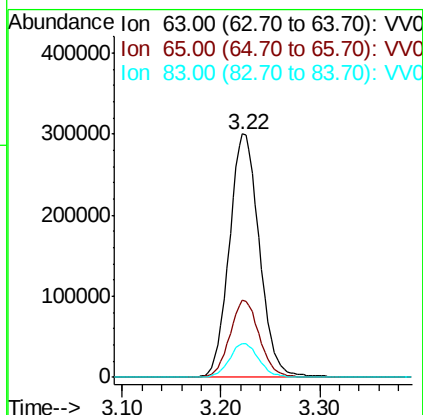
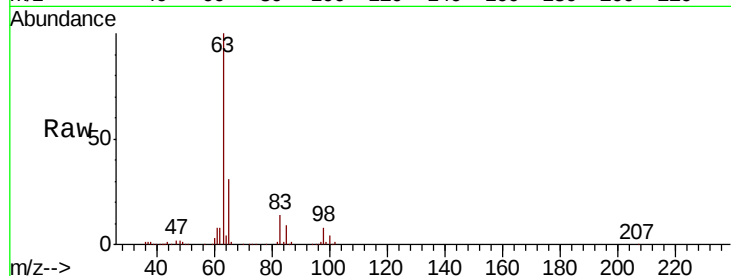




#19
1,1-Dichloroethane
Concen: 44.917 ug/L
RT: 3.22 min Scan# 663
Delta R.T. -0.01 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

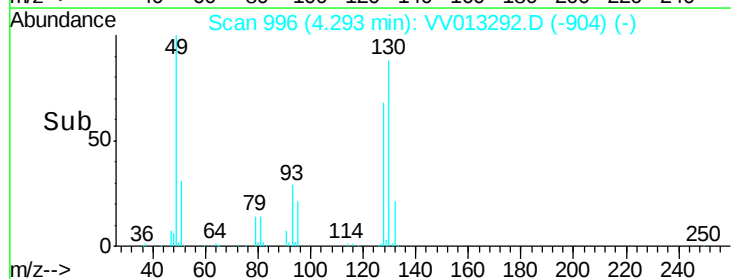
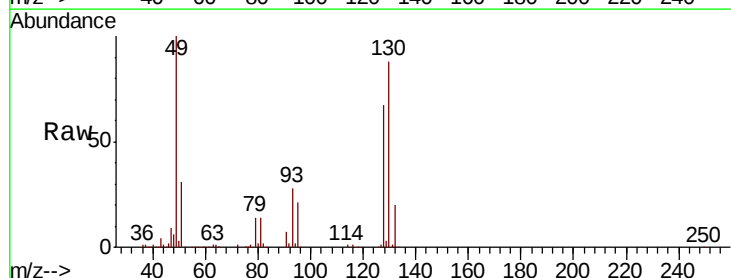
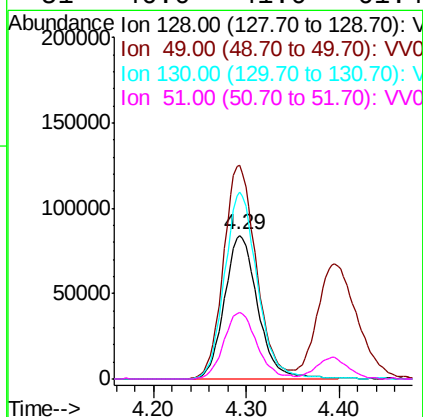
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

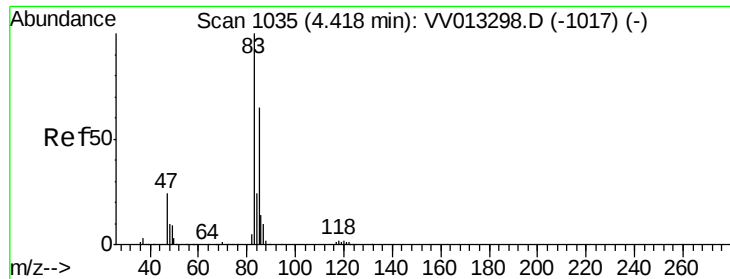
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.1	41.1
83	13.8	9.5	17.7



#23
Bromochloromethane
Concen: 48.450 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Tgt Ion	Ratio	Lower	Upper
128	100		
49	148.4	114.0	211.6
130	129.9	90.8	168.6
51	46.0	41.0	61.4

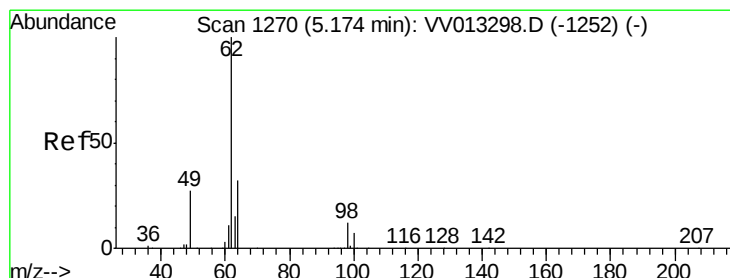
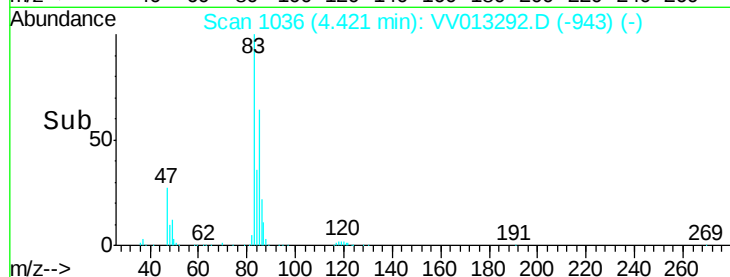
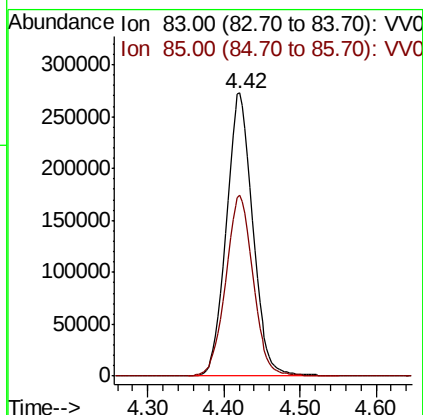
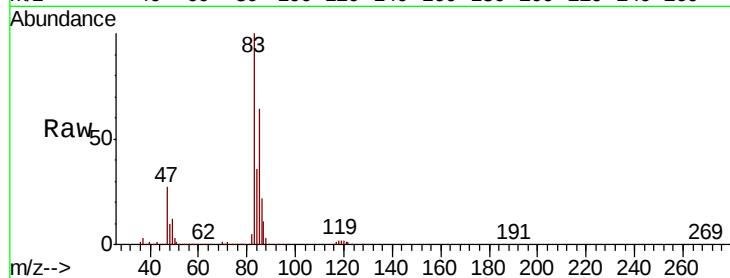




#25
Chloroform
Concen: 46.138 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

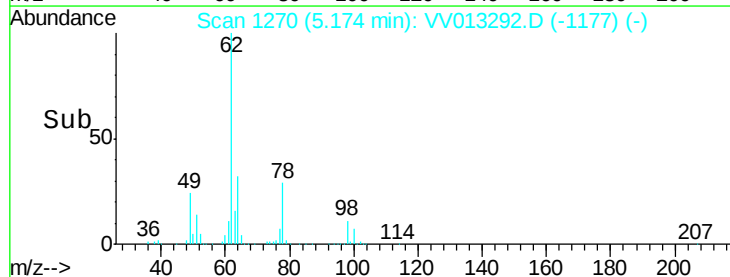
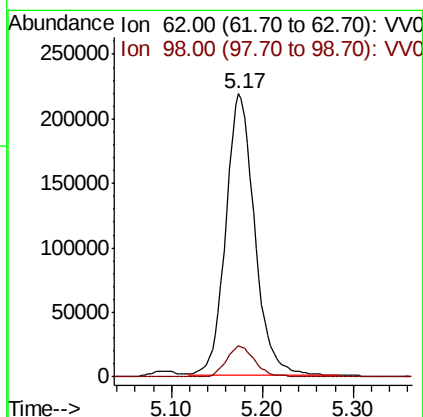
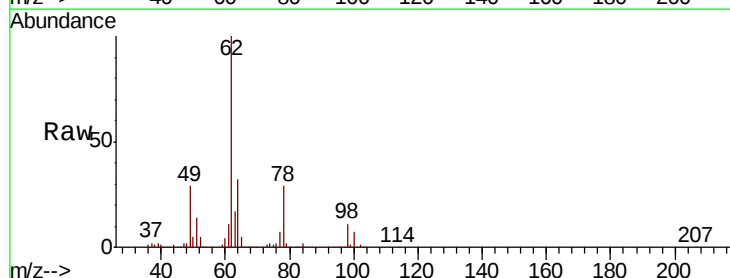
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

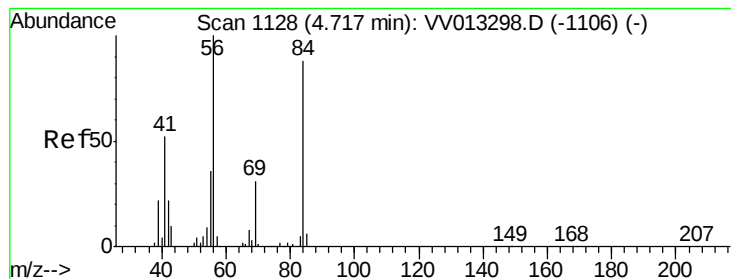
Tot Ion: 83 Resp: 660682
Ion Ratio Lower Upper
83 100
85 63.7 44.7 82.9



#27
1,2-Dichloroethane
Concen: 43.869 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Tgt Ion: 62 Resp: 481541
Ion Ratio Lower Upper
62 100
98 10.8 8.3 12.5





#29

Cyclohexane

Concen: 42.400 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

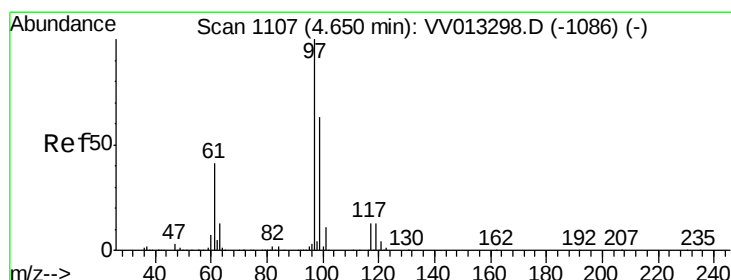
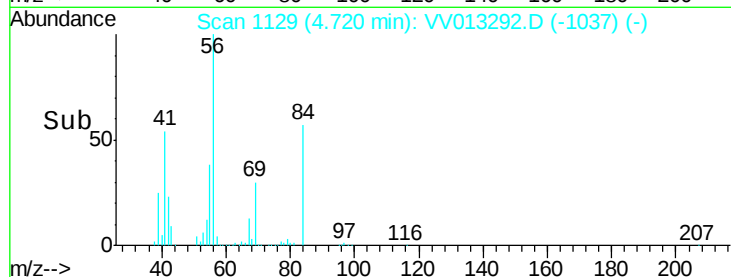
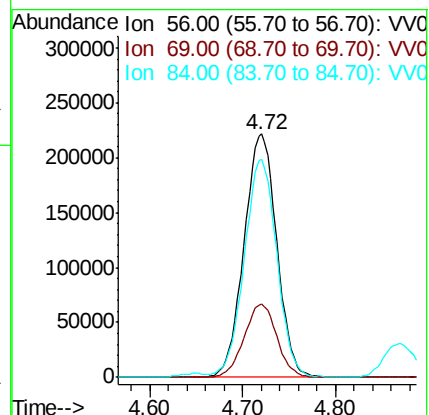
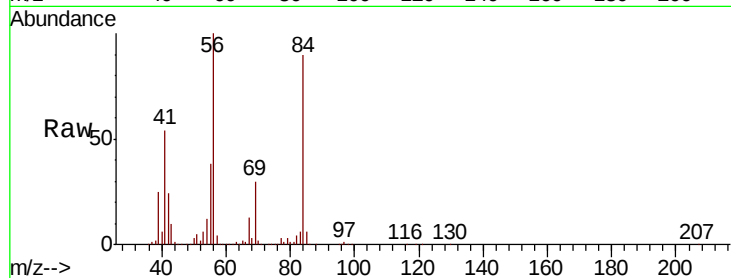
Tot Ion: 56 Resp: 541386

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.4

84 89.0 69.9 104.9



#30

1,1,1-Trichloroethane

Concen: 46.855 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

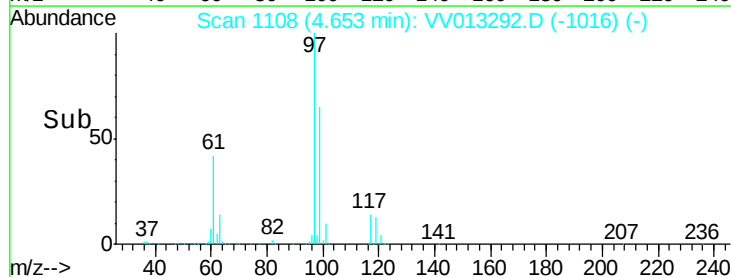
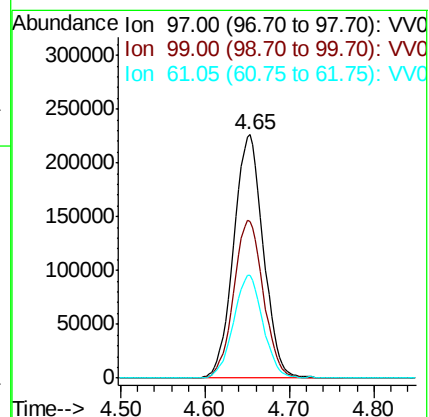
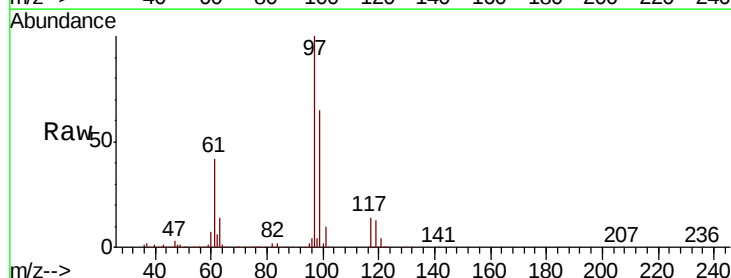
Tgt Ion: 97 Resp: 554301

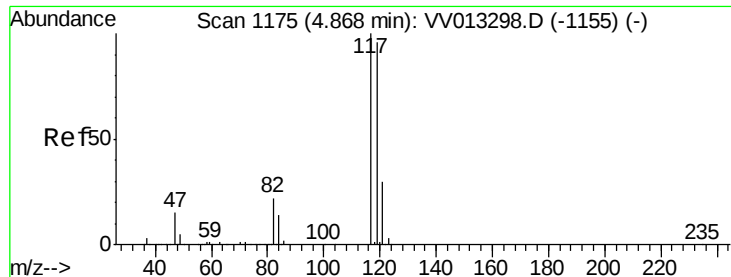
Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 41.6 36.8 55.2





#31

Carbon tetrachloride

Concen: 47.063 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

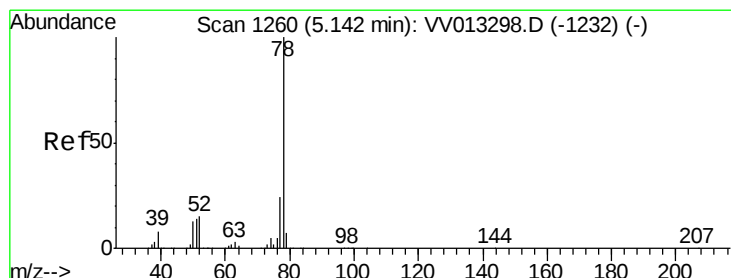
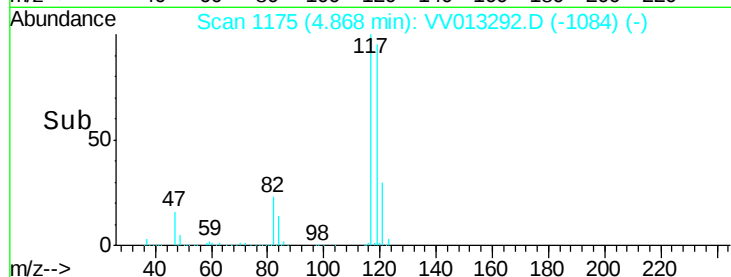
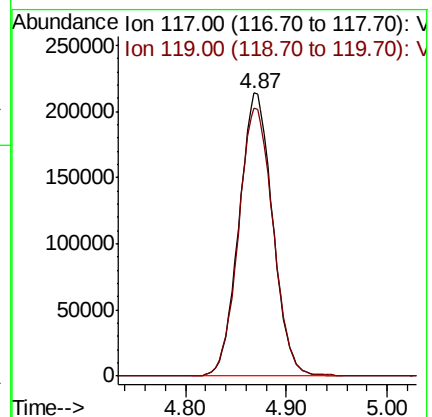
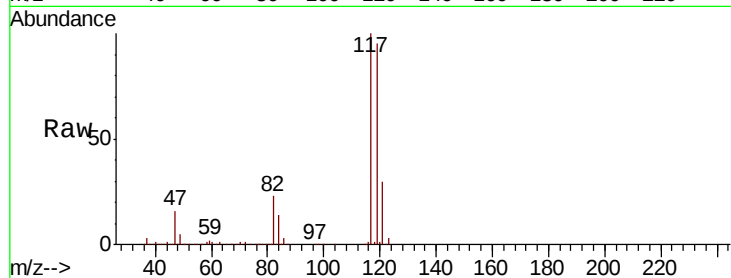
VSTDCCC050

Tot Ion:117 Resp: 494722

Ion Ratio Lower Upper

117 100

119 97.2 77.4 116.0



#33

Benzene

Concen: 45.473 ug/L

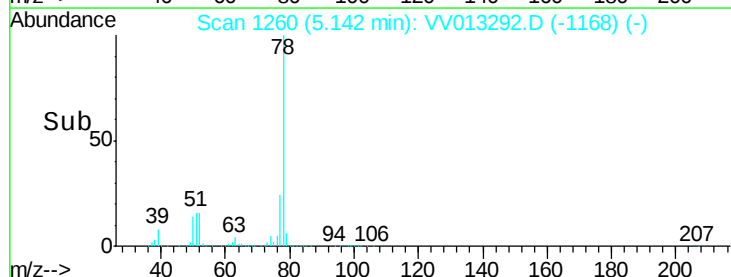
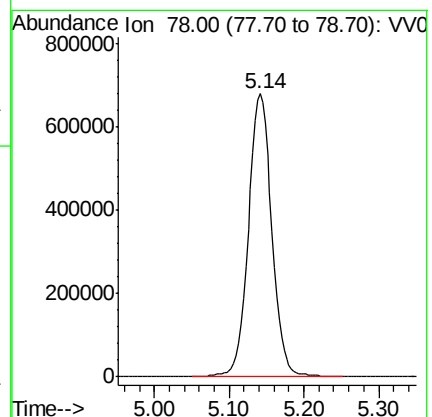
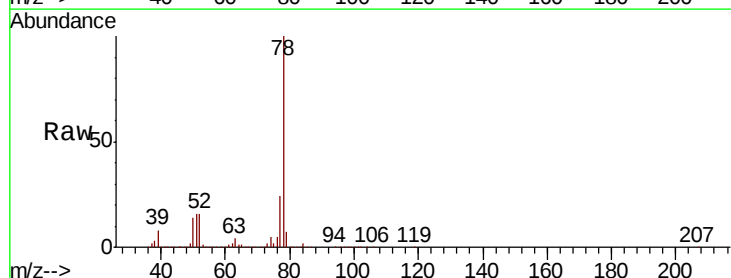
RT: 5.14 min Scan# 1260

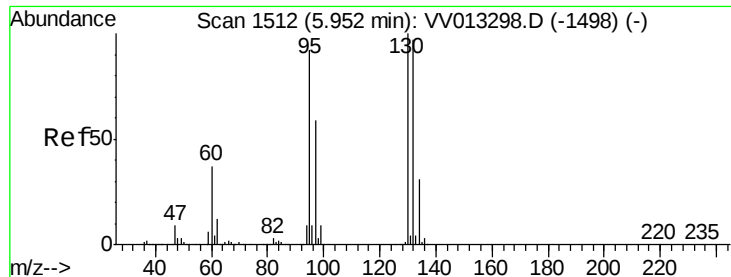
Delta R.T. -0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Tgt Ion: 78 Resp: 1476639





#34

Trichloroethene

Concen: 43.324 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

Tot Ion: 95 Resp: 374589

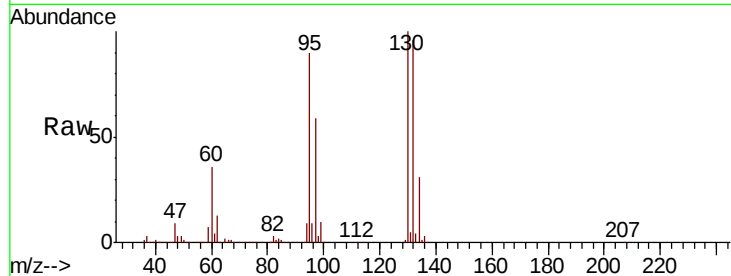
Ion Ratio Lower Upper

95 100

97 65.0 44.7 82.9

132 106.0 71.4 132.6

130 110.5 74.2 137.8

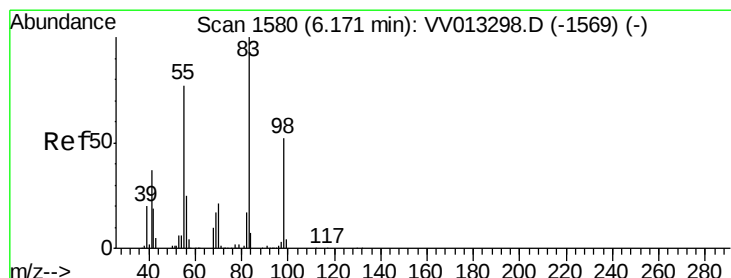
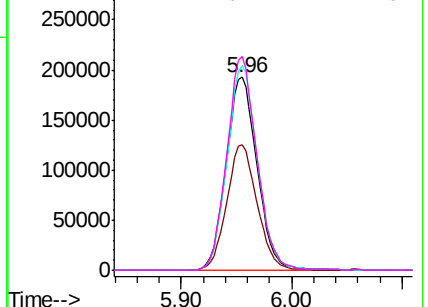
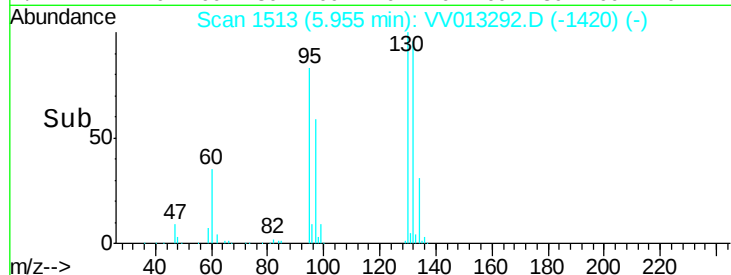


Abundance Ion 95.00 (94.70 to 95.70): VV013292.D (-1420) (-)

Ion 97.00 (96.70 to 97.70): VV013292.D (-1420) (-)

Ion 132.00 (131.70 to 132.70): VV013292.D (-1420) (-)

Ion 130.00 (129.70 to 130.70): VV013292.D (-1420) (-)



#35

Methylcyclohexane

Concen: 44.281 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

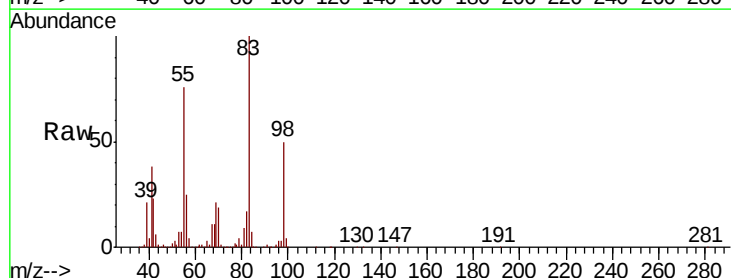
Tgt Ion: 83 Resp: 579140

Ion Ratio Lower Upper

83 100

55 75.7 61.2 91.8

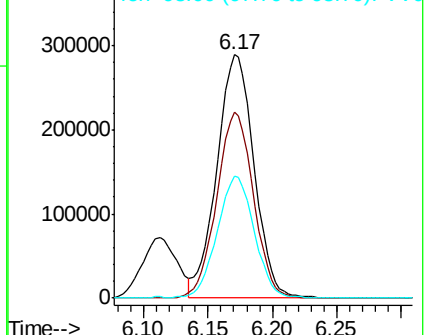
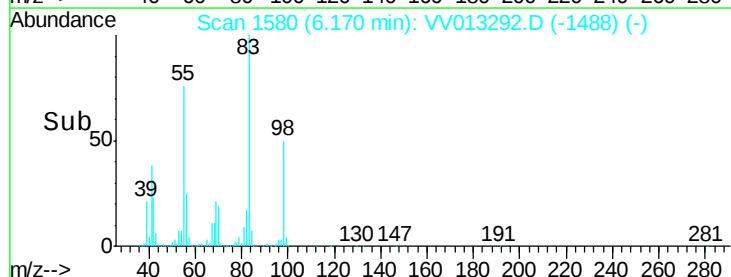
98 50.0 40.1 60.1

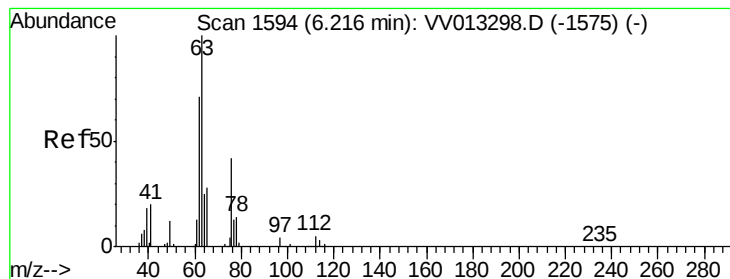


Abundance Ion 83.00 (82.70 to 83.70): VV013292.D (-1488) (-)

Ion 55.00 (54.70 to 55.70): VV013292.D (-1488) (-)

Ion 98.00 (97.70 to 98.70): VV013292.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 43.273 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

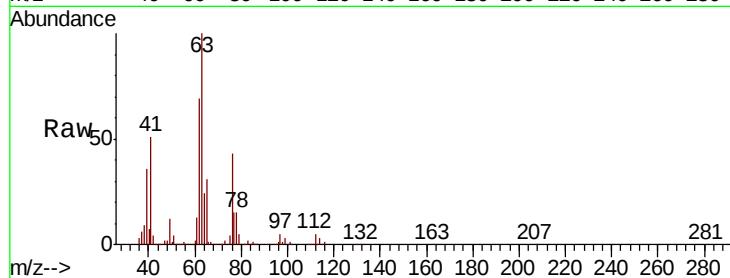
VSTDCCC050

Tot Ion: 63 Resp: 363866

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

6.22

200000

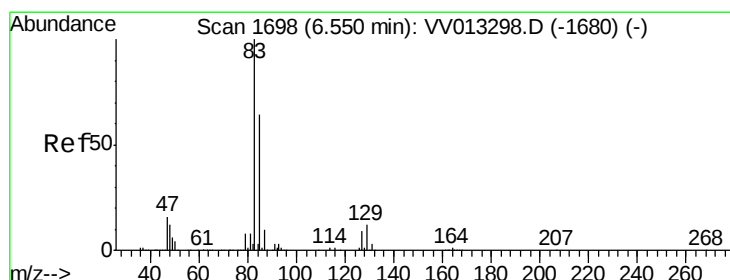
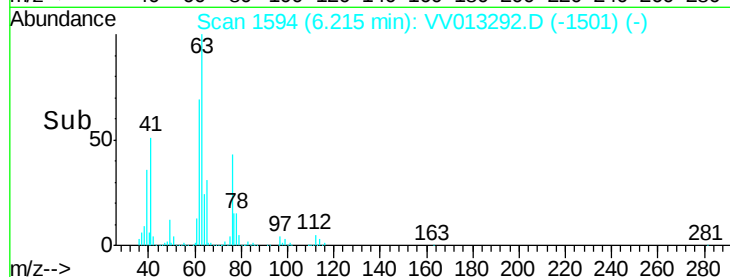
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 45.192 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

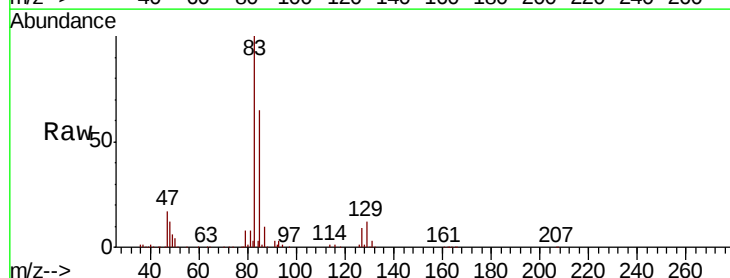
Tgt Ion: 83 Resp: 483521

Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.0

127 8.9 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

6.55

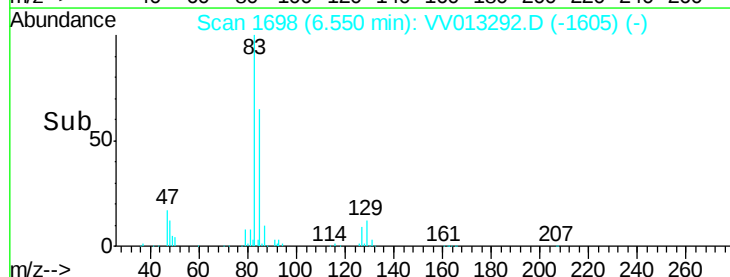
300000

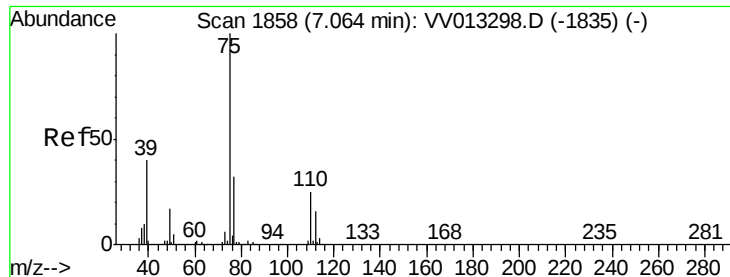
200000

100000

0

Time-->



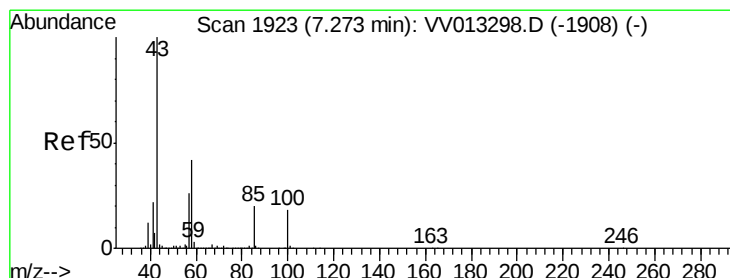
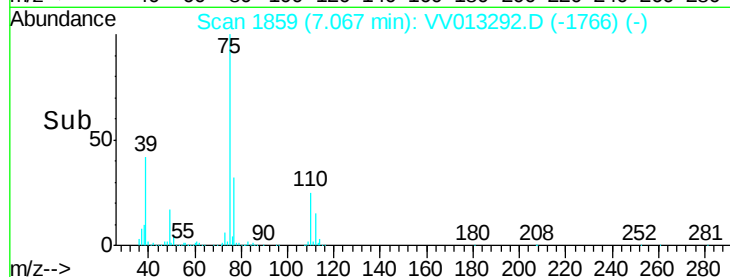
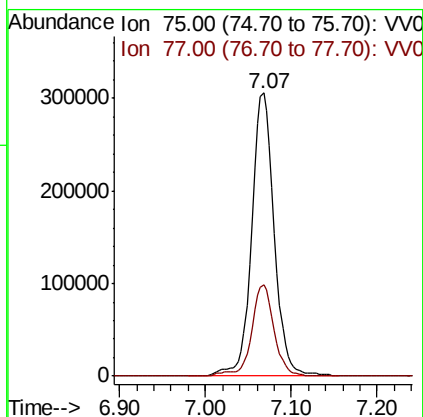
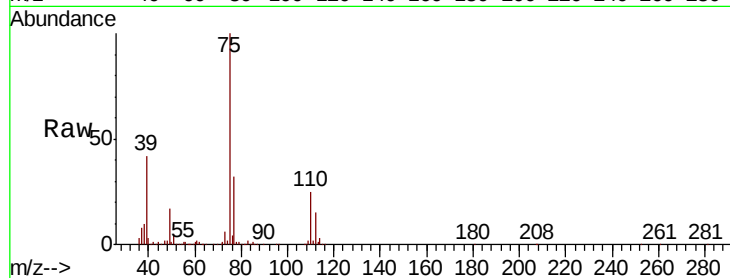


#39

cis-1,3-Dichloropropene
Concen: 44.882 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

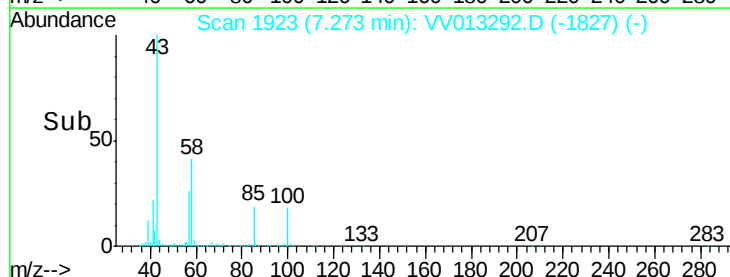
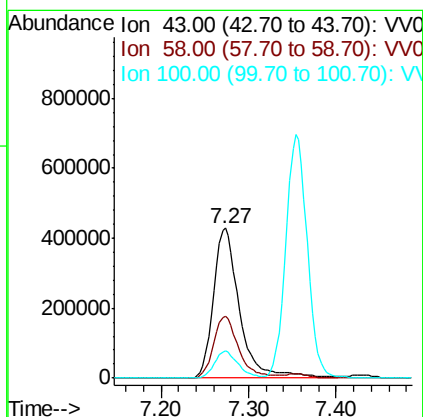
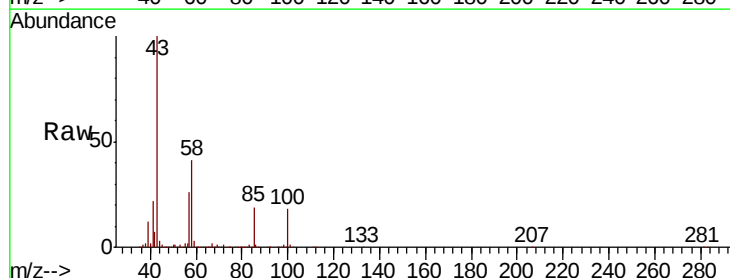
Tot Ion: 75 Resp: 558162
Ion Ratio Lower Upper
75 100
77 32.3 21.7 40.3

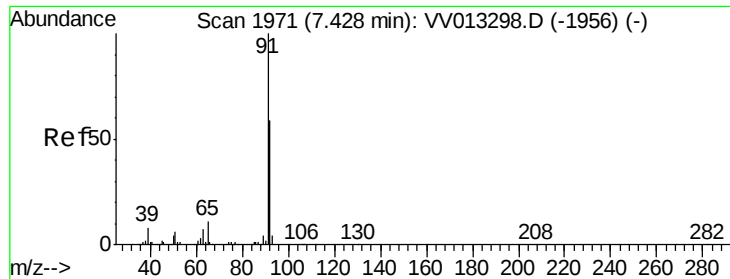


#40

4-Methyl-2-pentanone
Concen: 81.024 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Tgt Ion: 43 Resp: 891866
Ion Ratio Lower Upper
43 100
58 39.2 32.0 48.0
100 16.4 12.7 19.1





#42

Toluene

Concen: 46.303 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

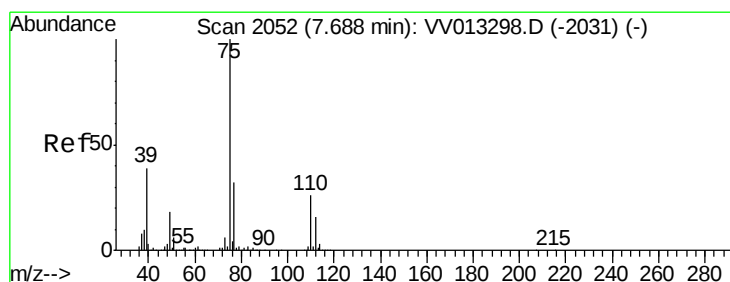
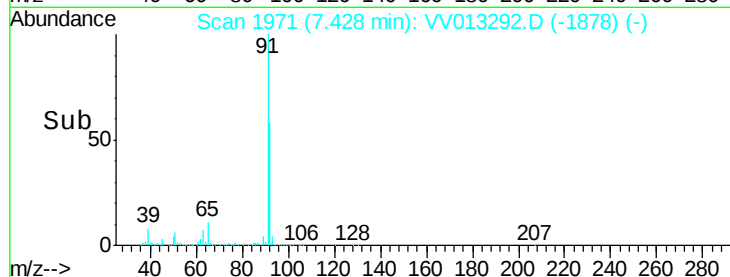
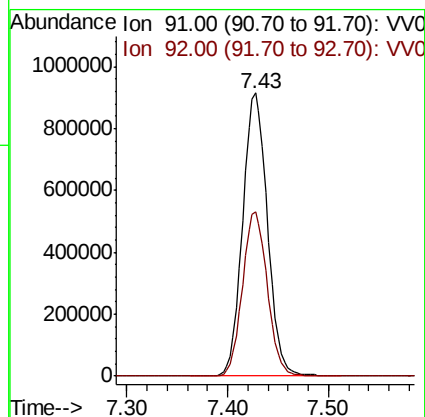
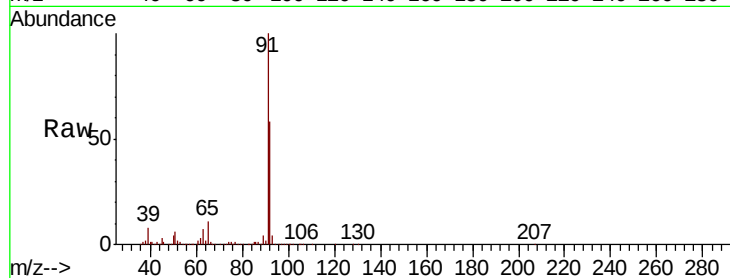
VSTDCCC050

Tot Ion: 91 Resp: 1547920

Ion Ratio Lower Upper

91 100

92 57.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 43.655 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013292.D

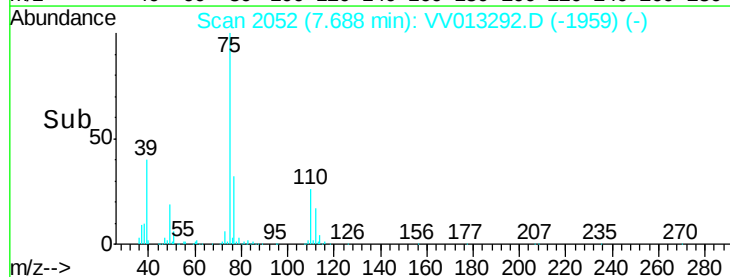
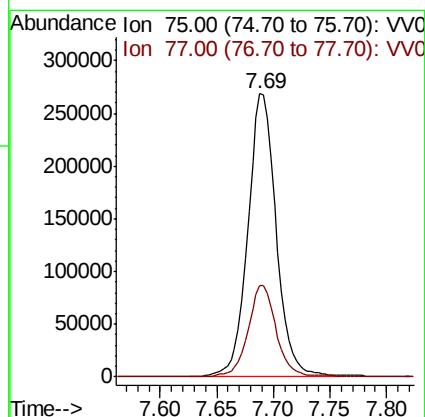
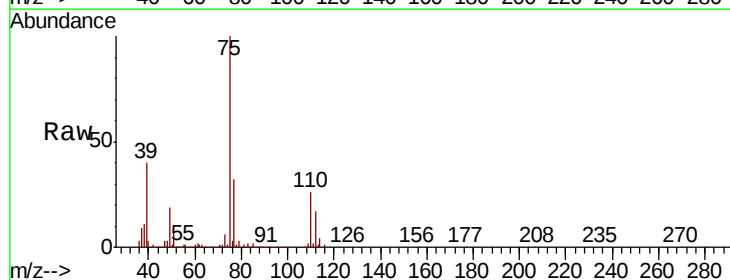
Acq: 23 Oct 2019 09:43

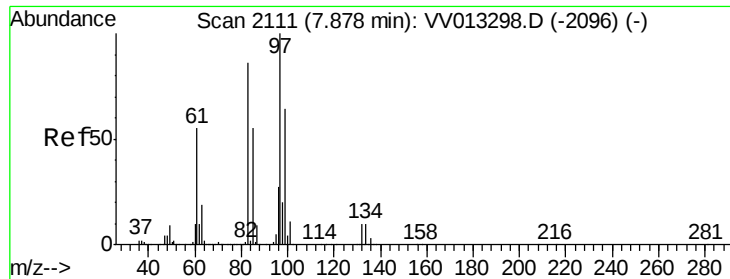
Tgt Ion: 75 Resp: 470621

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0

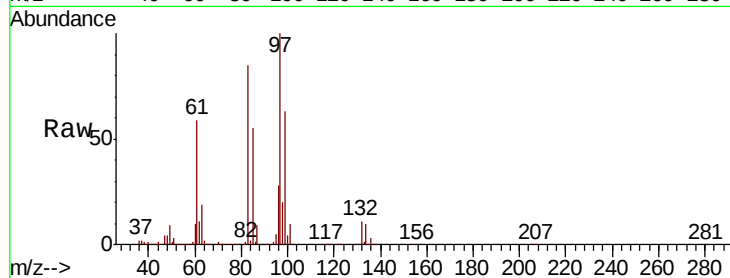




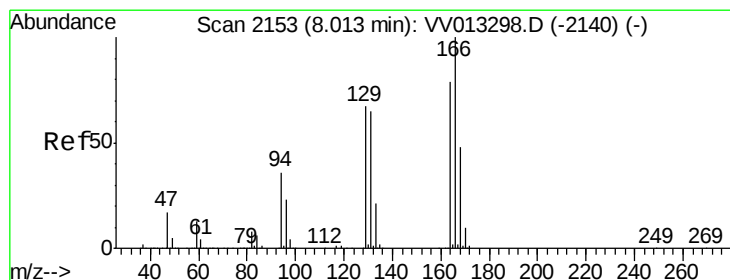
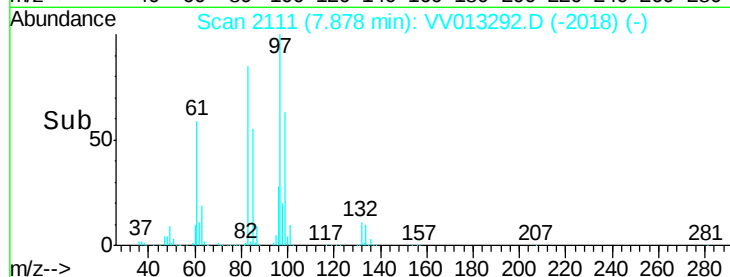
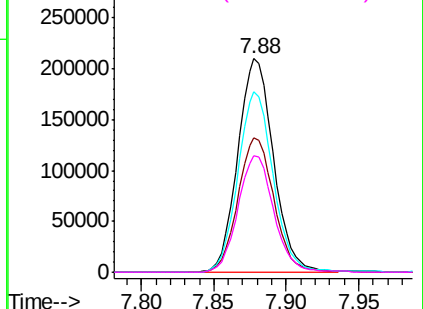
#45
1,1,2-Trichloroethane
Concen: 44.892 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	358389
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.4	82.5
83	84.8	58.2	108.0
85	54.7	38.7	71.9

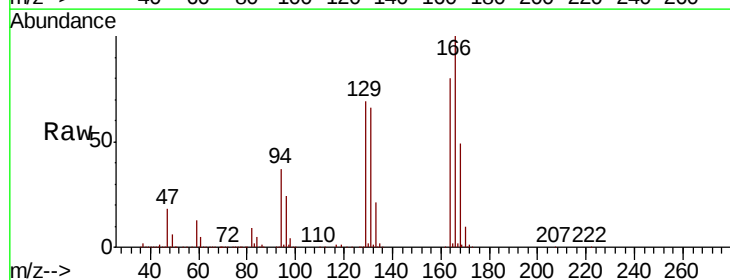


Abundance Ion 97.00 (96.70 to 97.70): VV013292.D (-2096) (-)
Ion 99.00 (98.70 to 99.70): VV013292.D (-2096) (-)
Ion 83.00 (82.70 to 83.70): VV013292.D (-2096) (-)
Ion 85.00 (84.70 to 85.70): VV013292.D (-2096) (-)

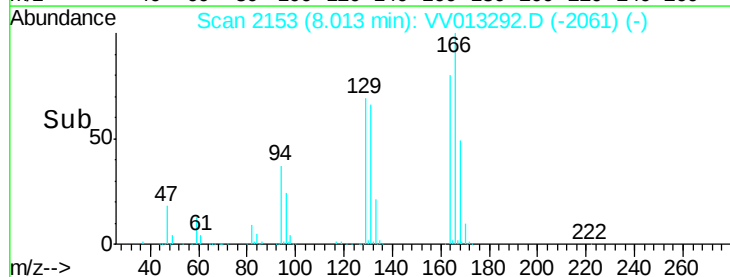
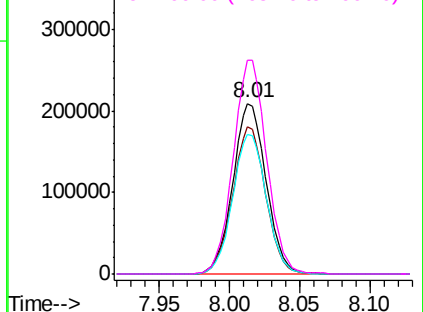


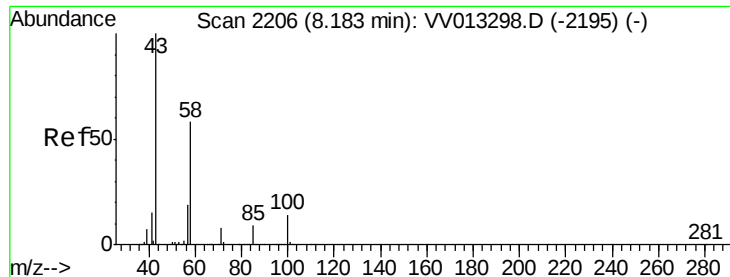
#46
Tetrachloroethene
Concen: 50.487 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Tgt Ion:	164	Resp:	345590
Ion	Ratio	Lower	Upper
164	100		
129	86.1	63.1	117.1
131	82.2	62.4	116.0
166	125.3	91.3	169.6



Abundance Ion 164.00 (163.70 to 164.70): VV013292.D (-2140) (-)
Ion 129.00 (128.70 to 129.70): VV013292.D (-2140) (-)
Ion 131.00 (130.70 to 131.70): VV013292.D (-2140) (-)
Ion 166.00 (165.70 to 166.70): VV013292.D (-2140) (-)

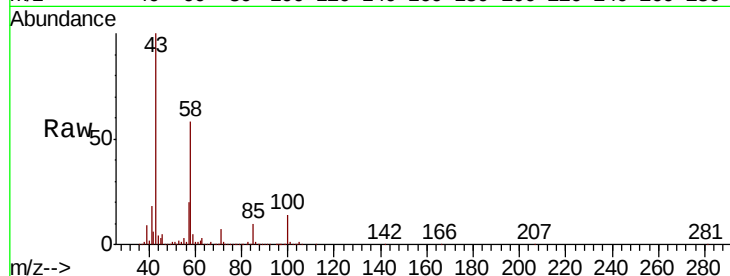




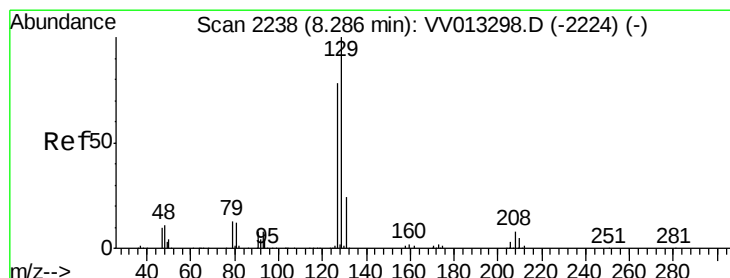
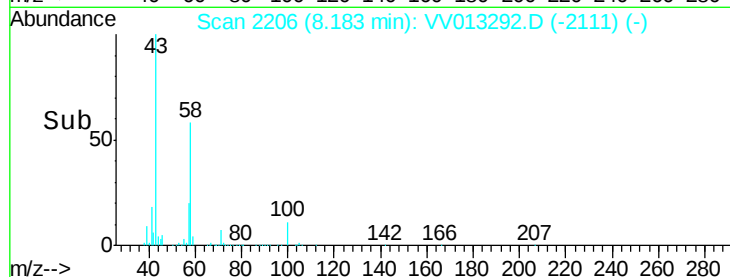
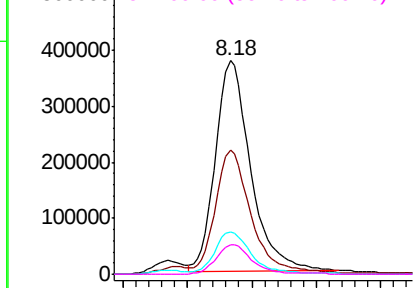
#48
2-Hexanone
Concen: 84.311 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.01 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	717650
Ion	Ratio	Lower	Upper
43	100		
58	58.1	44.9	67.3
57	20.3	15.0	22.6
100	13.6	10.2	15.2

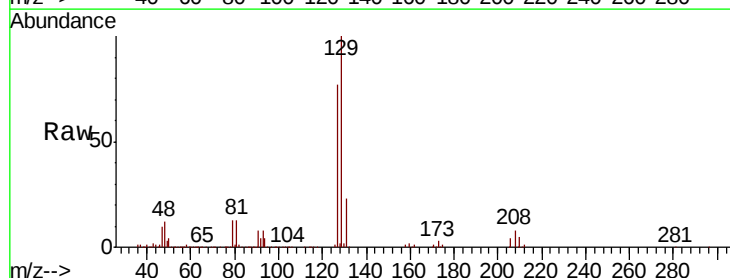


Abundance Ion 43.00 (42.70 to 43.70): VV013292.D (-2111) (-)
Ion 58.00 (57.70 to 58.70): VV013292.D (-2111) (-)
Ion 57.00 (56.70 to 57.70): VV013292.D (-2111) (-)
Ion 100.00 (99.70 to 100.70): VV013292.D (-2111) (-)

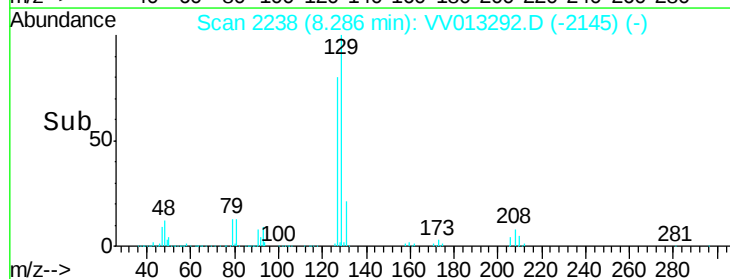
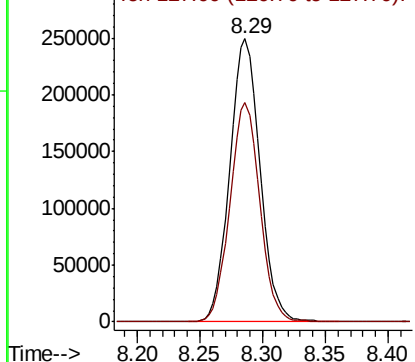


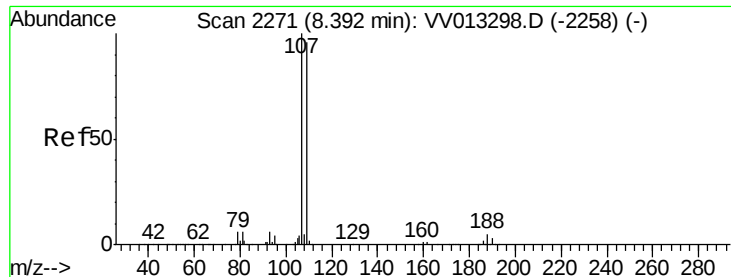
#49
Dibromochloromethane
Concen: 48.047 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Tgt Ion:	129	Resp:	418035
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.0	100.4



Abundance Ion 129.00 (128.70 to 129.70): VV013292.D (-2145) (-)
Ion 127.00 (126.70 to 127.70): VV013292.D (-2145) (-)

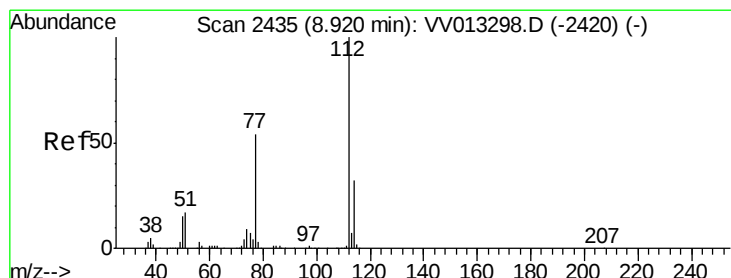
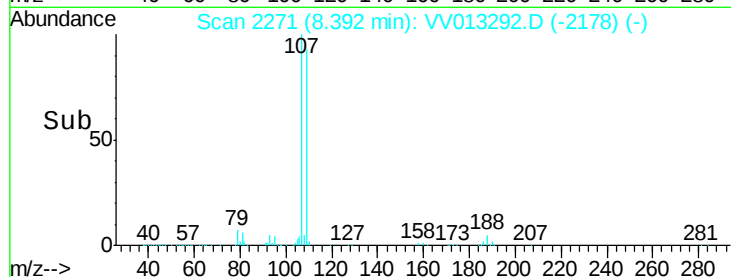
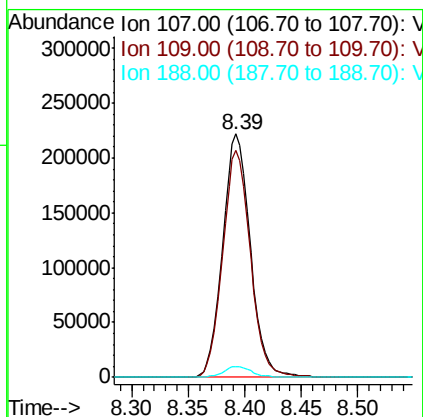
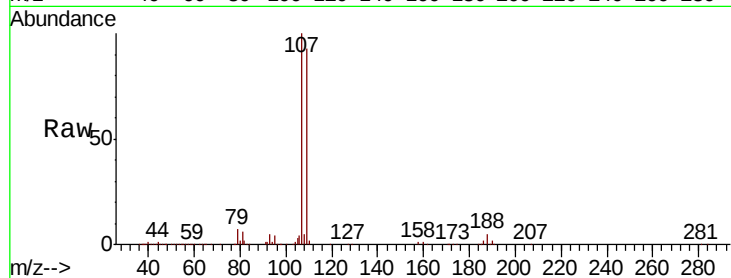




#50
1,2-Dibromoethane
Concen: 45.389 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

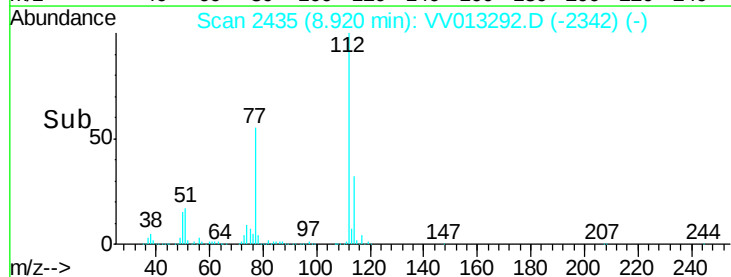
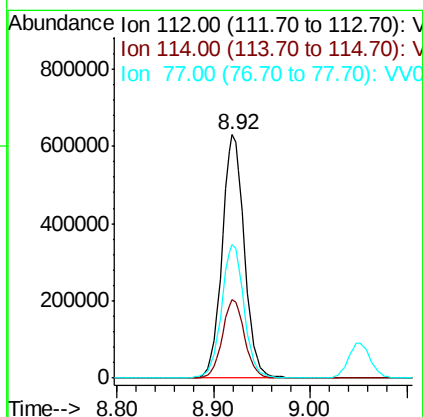
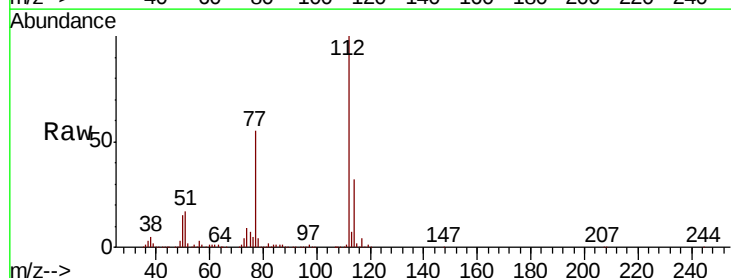
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

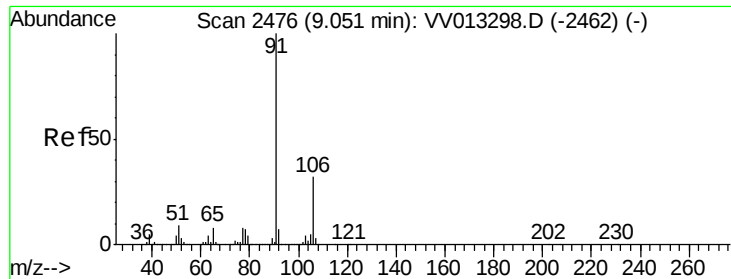
Tot Ion:107 Resp: 378722
Ion Ratio Lower Upper
107 100
109 93.0 66.6 123.6
188 4.6 3.4 5.2



#51
Chlorobenzene
Concen: 45.689 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Tgt Ion:112 Resp: 1001621
Ion Ratio Lower Upper
112 100
114 32.0 22.8 42.4
77 55.0 45.1 67.7





#52

Ethylbenzene

Concen: 45.452 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

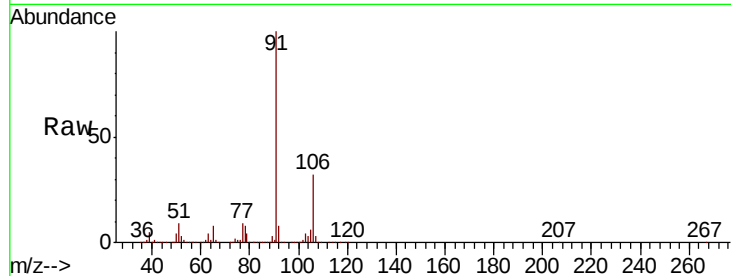
VSTDCCC050

Tot Ion: 91 Resp: 1623015

Ion Ratio Lower Upper

91 100

106 31.9 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV013292.D (-2383) (-)

Ion 106.00 (105.70 to 106.70): VV013292.D (-2383) (-)

1200000

1000000

800000

600000

400000

200000

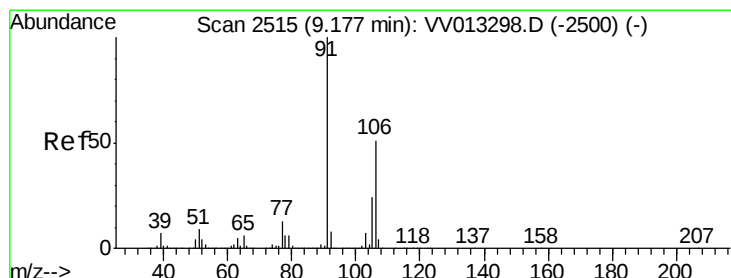
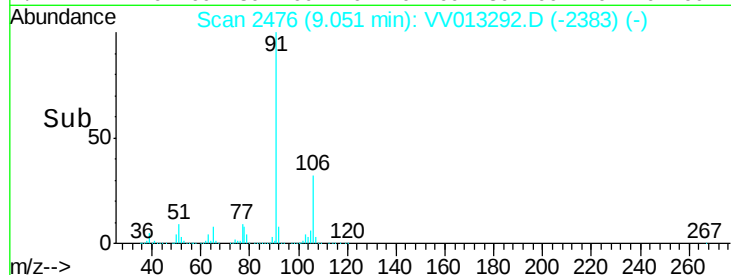
0

9.05

9.10

9.15

Time-->



#53

m,p-Xylene

Concen: 48.076 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013292.D

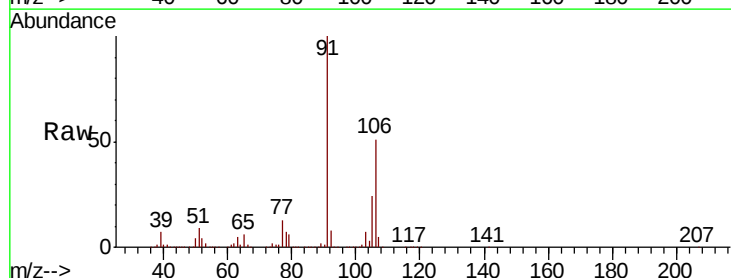
Acq: 23 Oct 2019 09:43

Tgt Ion: 106 Resp: 645869

Ion Ratio Lower Upper

106 100

91 196.5 137.8 255.8



Abundance Ion 106.00 (105.70 to 106.70): VV013292.D (-2422) (-)

Ion 91.00 (90.70 to 91.70): VV013292.D (-2422) (-)

800000

600000

400000

200000

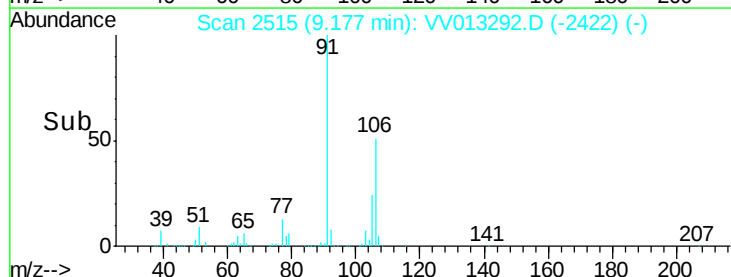
0

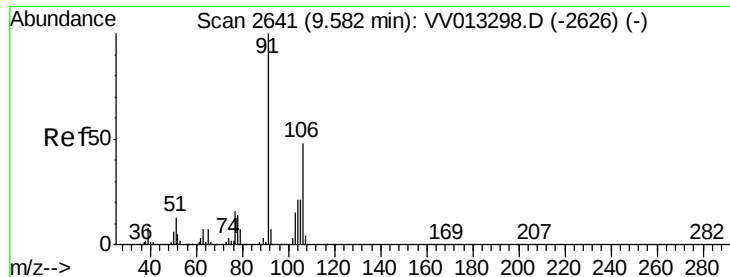
9.18

9.20

9.30

Time-->

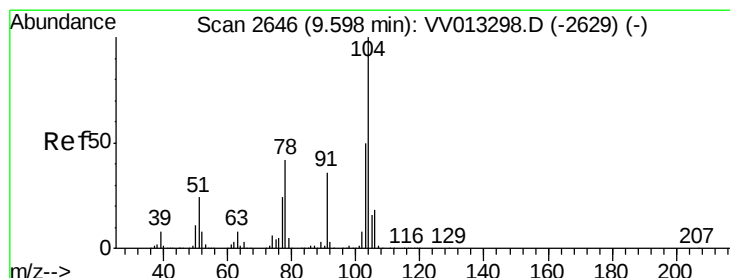
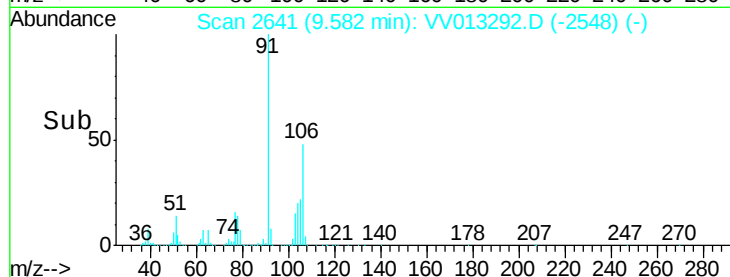
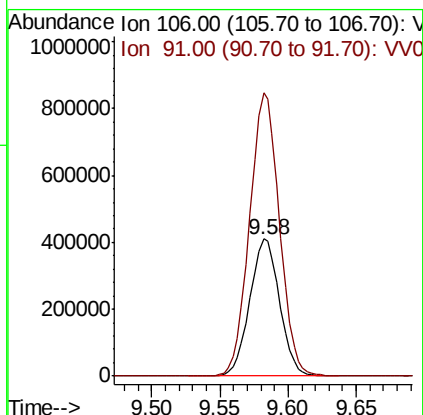
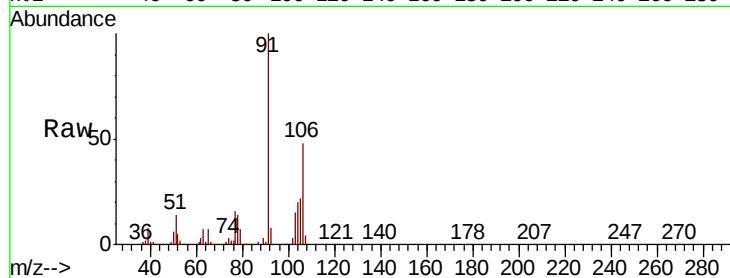




#54
o-xylene
Concen: 46.232 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

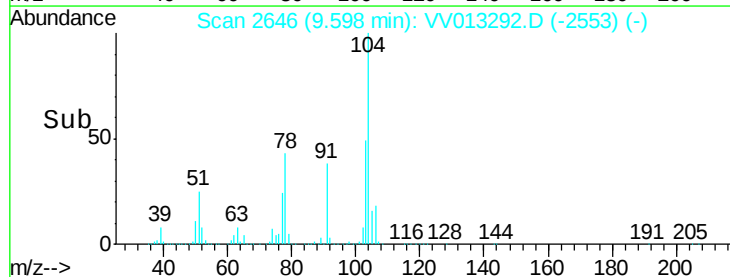
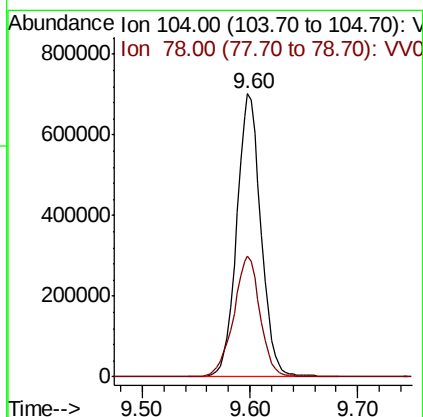
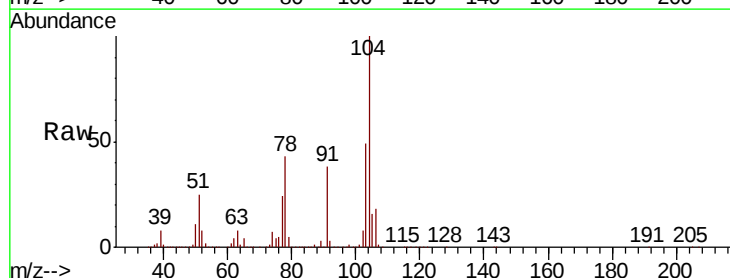
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

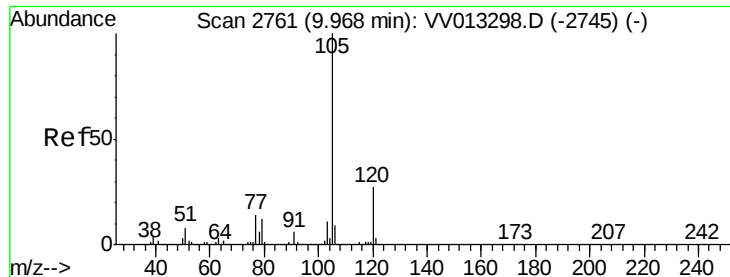
Tot Ion:106 Resp: 622262
Ion Ratio Lower Upper
106 100
91 206.8 147.6 274.2



#55
Styrene
Concen: 49.852 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV013292.D
Acq: 23 Oct 2019 09:43

Tgt Ion:104 Resp: 1101921
Ion Ratio Lower Upper
104 100
78 42.5 29.1 54.1





#56

Isopropylbenzene

Concen: 46.872 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

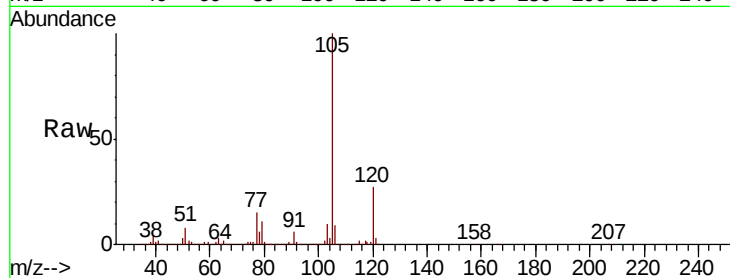
Tot Ion:105 Resp: 1619924

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

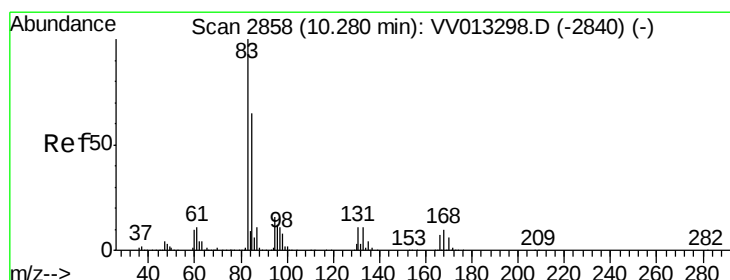
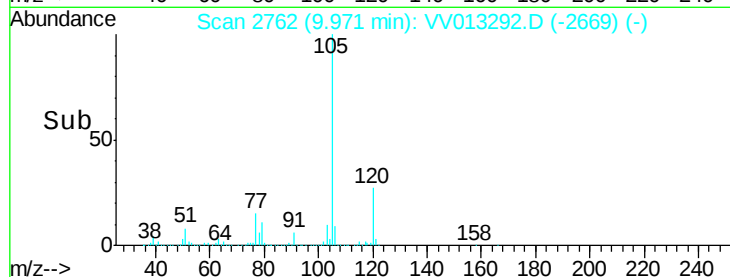
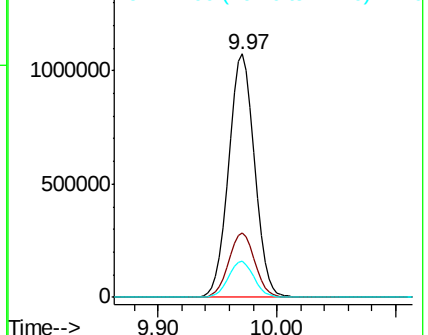
77 14.6 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): VV013292.D (-2669) (-)

Ion 120.00 (119.70 to 120.70): VV013292.D (-2669) (-)

Ion 77.00 (76.70 to 77.70): VV013292.D (-2669) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 46.983 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

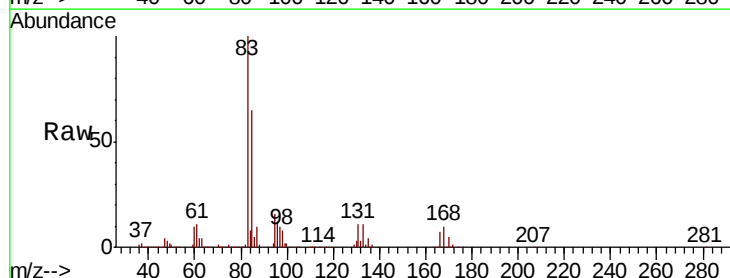
Tgt Ion: 83 Resp: 545271

Ion Ratio Lower Upper

83 100

85 65.3 44.3 82.3

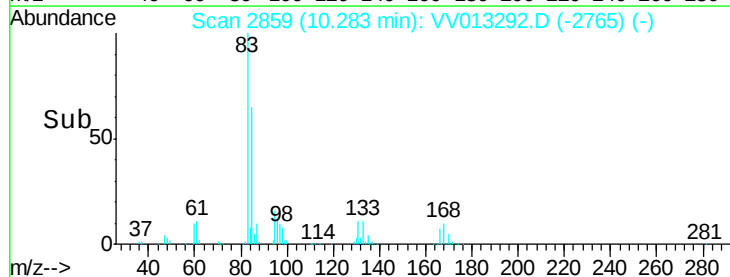
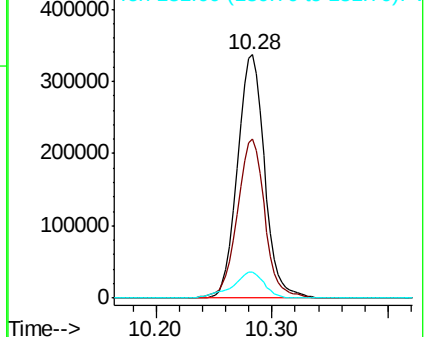
131 10.7 8.1 12.1

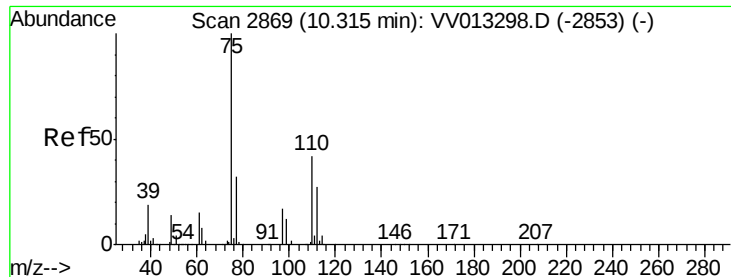


Abundance Ion 83.00 (82.70 to 83.70): VV013292.D (-2765) (-)

Ion 85.00 (84.70 to 85.70): VV013292.D (-2765) (-)

Ion 131.00 (130.70 to 131.70): VV013292.D (-2765) (-)





#59

1,2,3-Trichloropropane

Concen: 43.353 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

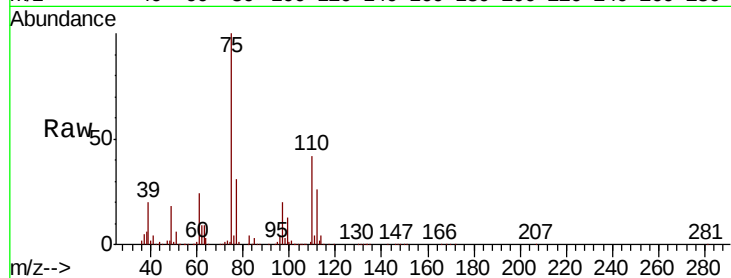
VSTDCCC050

Tot Ion: 75 Resp: 443793

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013298.D (-2853) (-)

Ion 77.00 (76.70 to 77.70): VV013298.D (-2853) (-)

10.31

300000

250000

200000

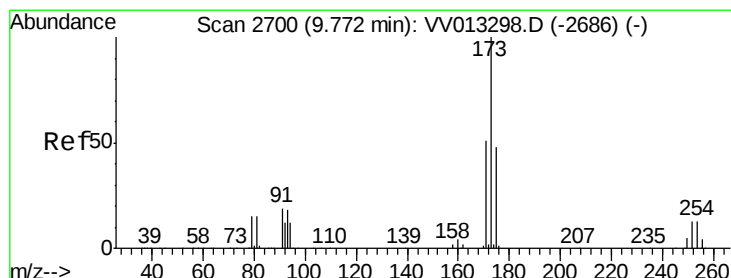
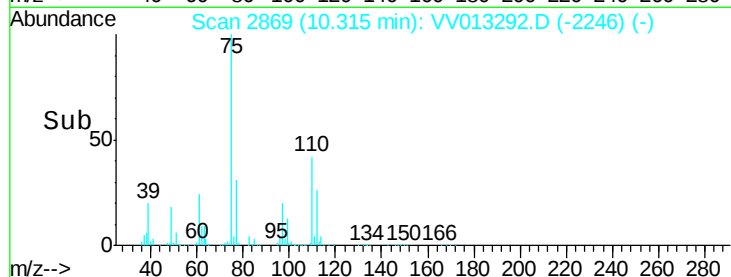
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 44.051 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

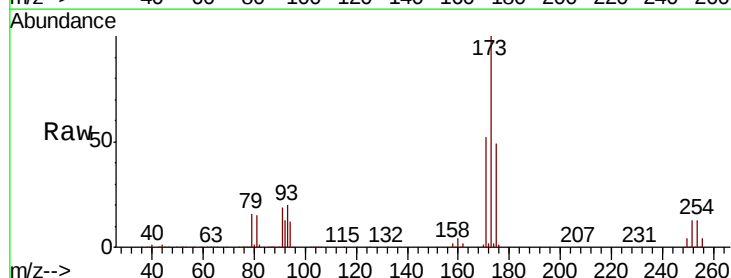
Tgt Ion: 173 Resp: 318192

Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

254 12.7 9.6 14.4



Abundance Ion 173.00 (172.70 to 173.70): VV013298.D (-2686) (-)

Ion 175.00 (174.70 to 175.70): VV013298.D (-2686) (-)

Ion 254.00 (253.70 to 254.70): VV013298.D (-2686) (-)

9.77

250000

200000

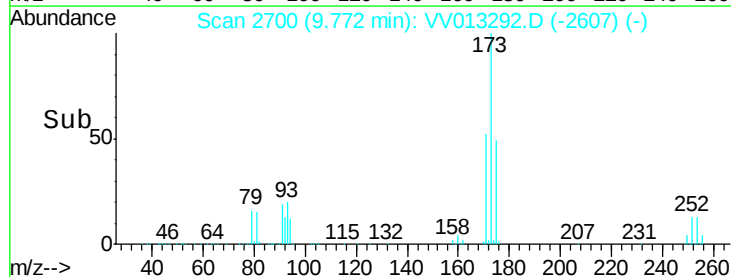
150000

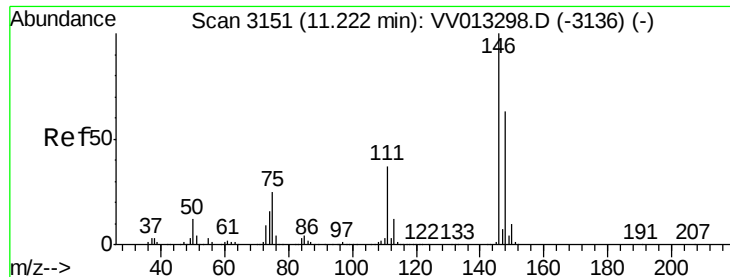
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 44.074 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

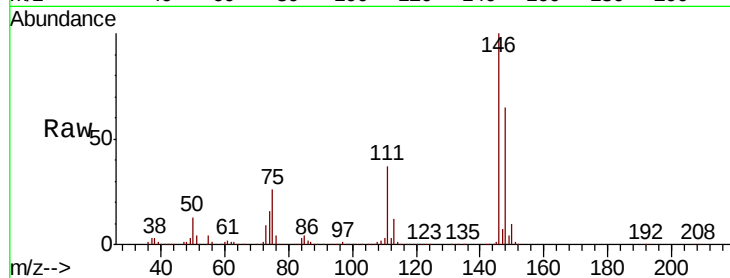
Tot Ion:146 Resp: 818139

Ion Ratio Lower Upper

146 100

111 36.6 26.6 49.4

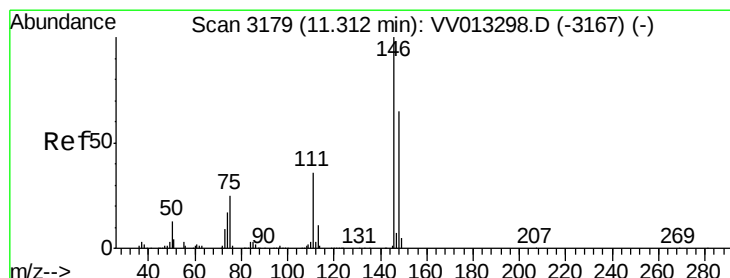
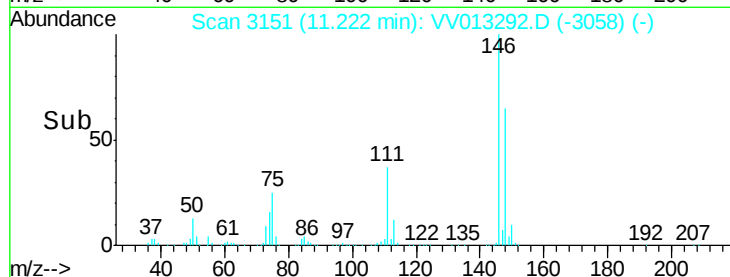
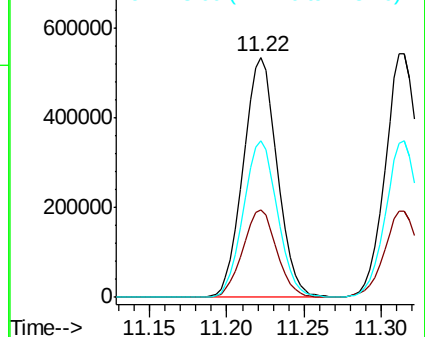
148 65.0 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 44.694 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

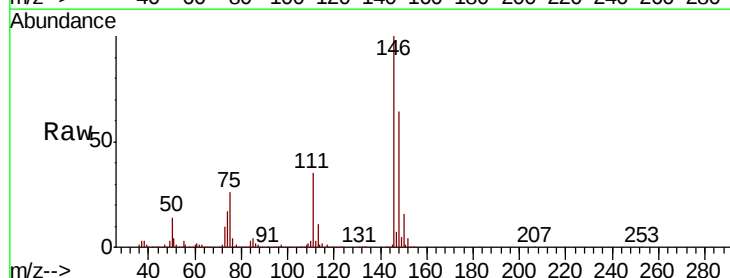
Tgt Ion:146 Resp: 833132

Ion Ratio Lower Upper

146 100

111 35.2 25.4 47.2

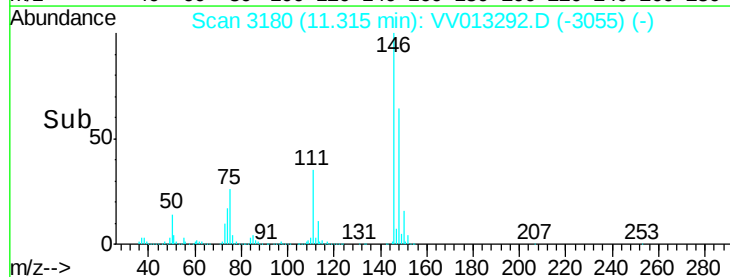
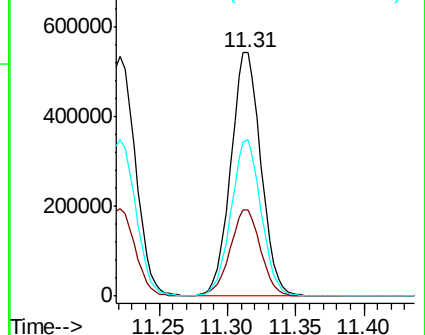
148 64.1 44.2 82.2

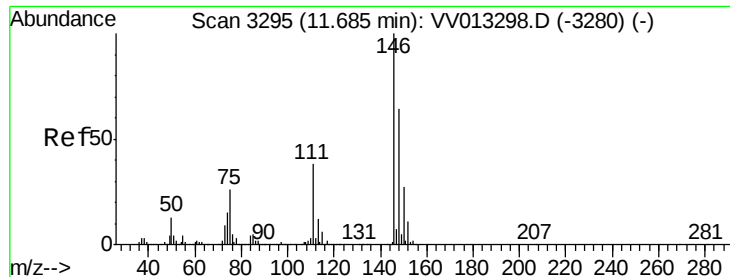


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

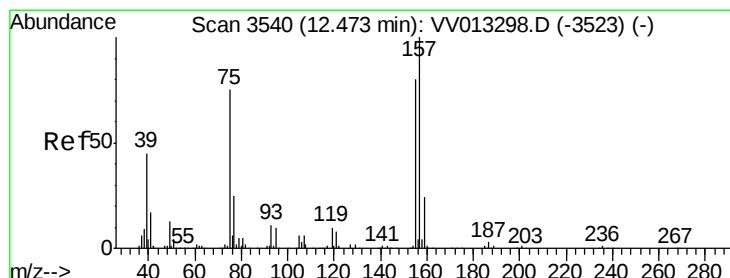
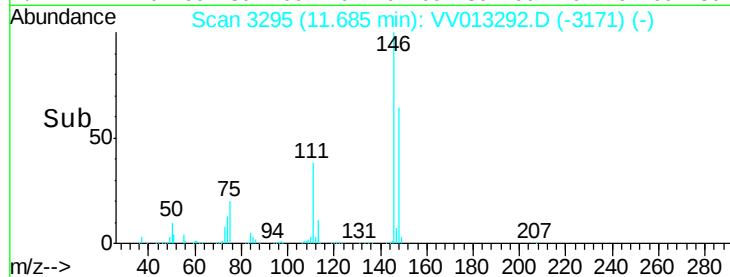
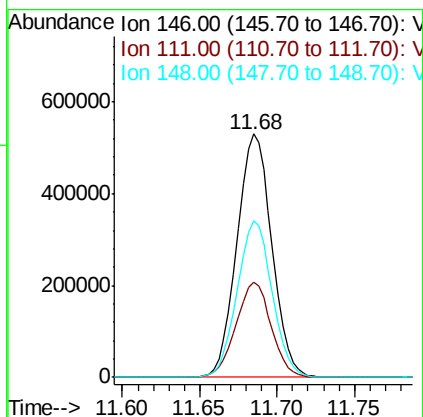
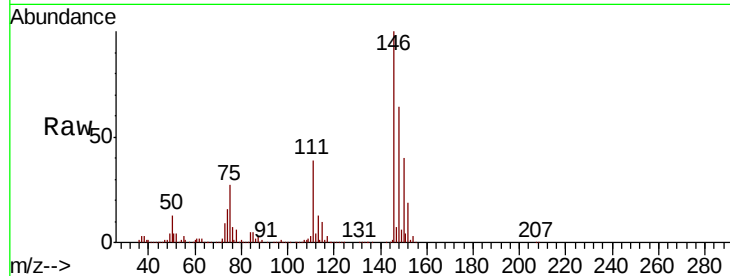




#65
 1,2-Dichlorobenzene
 Concen: 43.890 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013292.D
 Acq: 23 Oct 2019 09:43

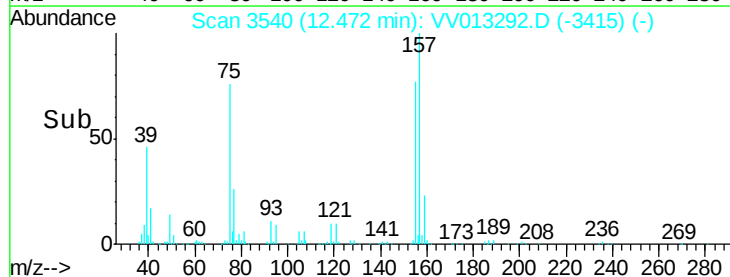
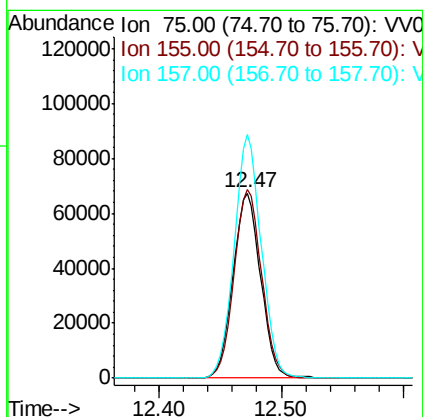
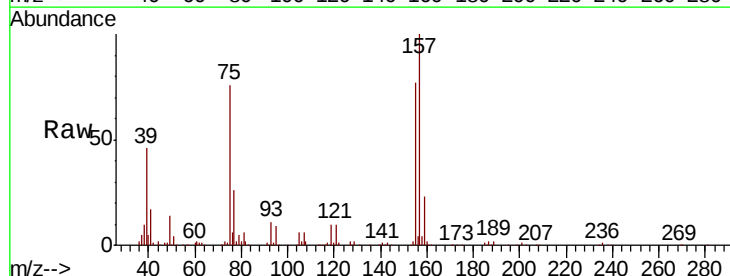
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

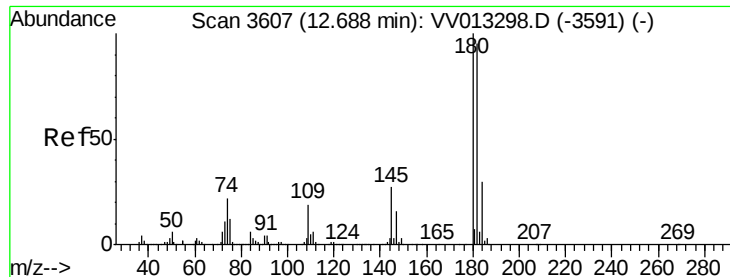
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	32.2	48.2
148	64.2	50.6	76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 38.593 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013292.D
 Acq: 23 Oct 2019 09:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	74.6	111.8
157	131.4	94.2	141.4

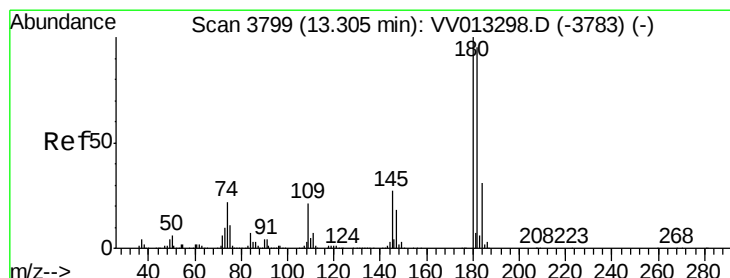
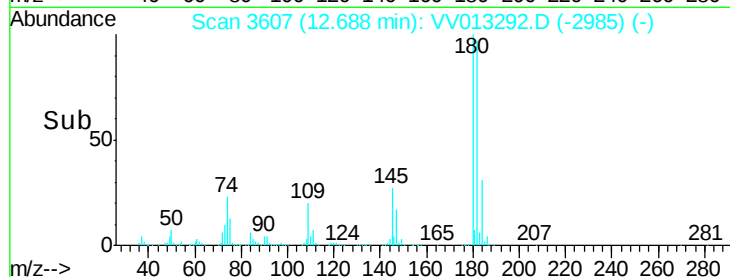
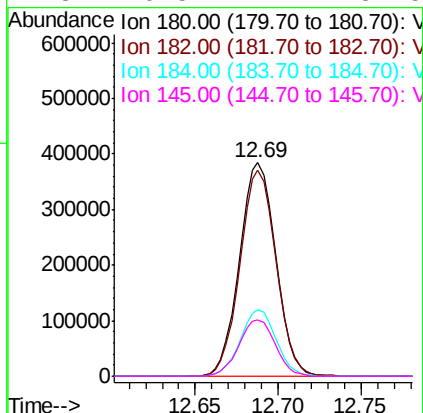
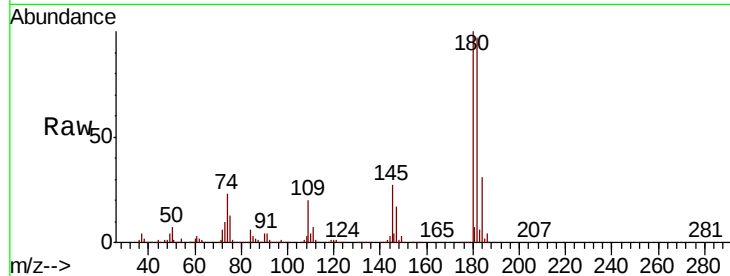




#67
 1,3,5-Trichlorobenzene
 Concen: 44.326 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013292.D
 Acq: 23 Oct 2019 09:43

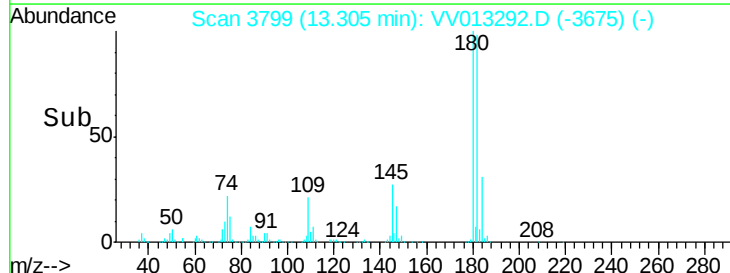
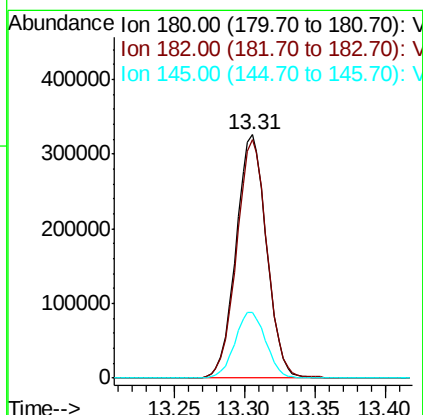
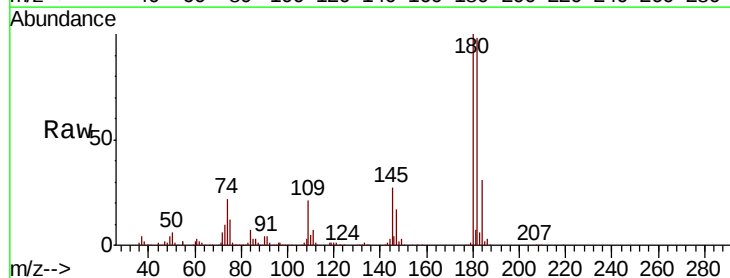
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

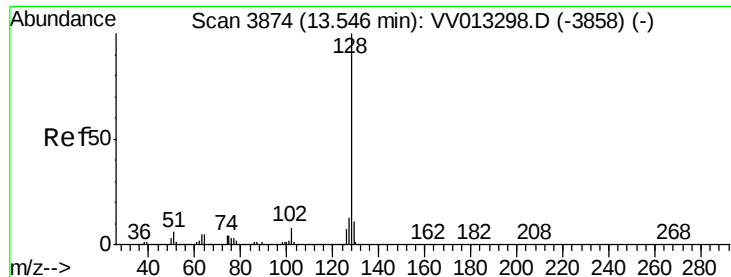
Tot Ion:180	Resp:	586806
Ion	Ratio	Lower Upper
180	100	
182	96.1	76.7 115.1
184	30.7	24.3 36.5
145	26.5	21.7 32.5



#68
 1,2,4-trichlorobenzene
 Concen: 43.564 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013292.D
 Acq: 23 Oct 2019 09:43

Tgt Ion:180	Resp:	494656
Ion	Ratio	Lower Upper
180	100	
182	97.4	77.4 116.0
145	27.5	22.7 34.1





#69

Naphthalene

Concen: 44.012 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

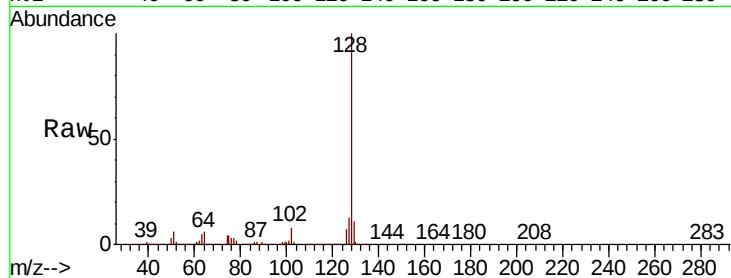
Tot Ion:128 Resp: 1376758

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

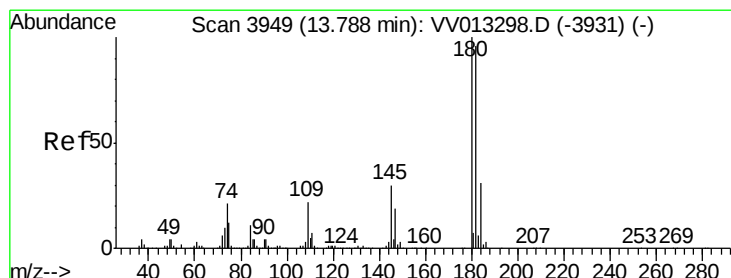
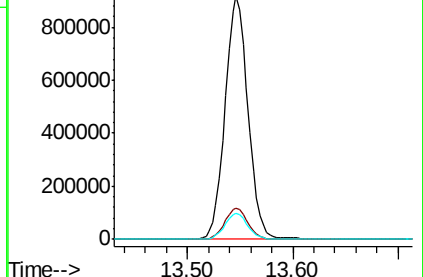
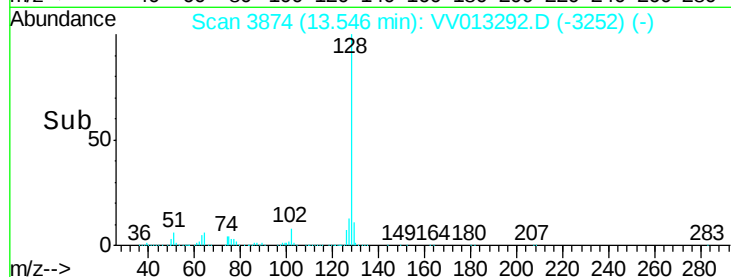
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 45.777 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013292.D

Acq: 23 Oct 2019 09:43

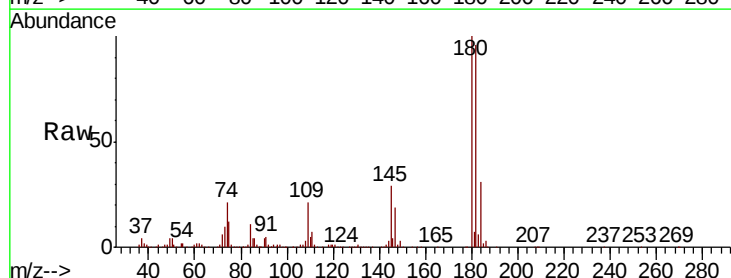
Tgt Ion:180 Resp: 556004

Ion Ratio Lower Upper

180 100

182 96.5 76.9 115.3

145 29.4 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

